

Manufacturers Record

Exponent of America

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Why Industries Are Leaving Large Cities.

Great emphasis has been laid on the importance of decentralization of industry—the lower costs of a suburban plant location—but George M. Verity, president of the American Rolling Mill Company, has made a brief and vigorous statement on another, less tangible, but vitally important advantage of rural location. In a recent letter to the Manufacturers Record Mr. Verity makes a contribution of first importance to the subject. The letter follows:

The American Rolling Mill Co.
Middletown, Ohio.

Editor Manufacturers Record:

As compared to twenty-five years ago industry has become a highly specialized machine. To succeed today there is need to give a much higher class of service to customers, a much better quality of product and at much lower prices than were current just a few years ago. To do these things there is need for the very highest state of efficiency it is possible to attain.

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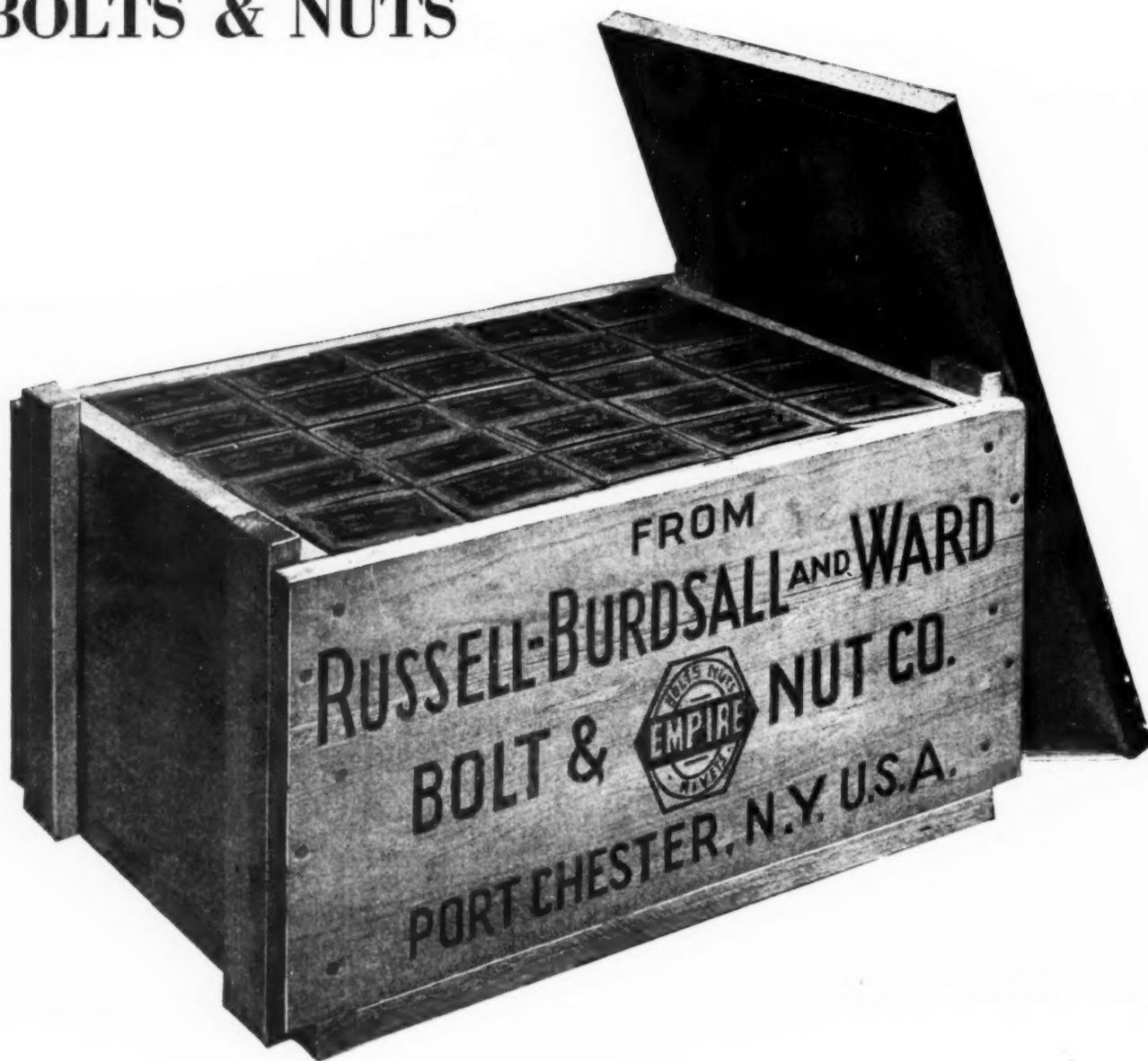
The better abilities of men are being drawn upon today as they never were before. According to our way of thinking these conditions cannot obtain unless a corporation has the full confidence and good will of its working organization.

In our experience all of these things can be accomplished to better advantage in a small community than in a large.

GEORGE M. VERITY, President.

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Baltimore, Md., September 27, 1928

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Manufacturers Record

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Weekly.

BALTIMORE, SEPTEMBER 27, 1928.

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A New Epoch in Speeding Up the Business Methods of the Nation.

THE speed with which business is transacted today, whereby time and manpower are saved and production costs reduced, is an outstanding feature of the new order of doing things. New forms of competition have sprung up in practically every line of endeavor; hence it is imperative that production and operating costs be kept down.

The steam railroads find privately owned automobiles and motorbuses getting a great share of their passenger trade, so they are speeding up runs and installing supplementary bus service and putting in use finely appointed coaches and de luxe trains to attract business. The airplane now threatens to take away a portion of the passenger trade and express business; so the railroads are going to operate air lines to speed up the movement of passengers and freight.

Many large orders for machinery and materials were formerly closed by regular mail, the correspondence extending over a period of days and even weeks. Now airplane mail speeds up communication tremendously, and business men on the West Coast are paying as much as \$1.50 a copy for the prompt delivery of New York business papers. Now salesmen with fast motor cars and airplanes are quickly on the job in reply to inquiries and in quest of business.

Long distance telephone conversation has increased tremendously, and is an important factor in speeding up the present methods of doing business. "I am as near to you as your telephone," says a manufacturer across the continent from you, and this is literally true, for in a few minutes and at a comparatively small cost, considering the value of time, a telephone connection is completed and first hand information is given from the manufacturer to the customer and orders are closed without the need for extensive correspondence. The telegraph and radio are likewise being widely employed in the speeding up of business.

The growth of modern exhibitions and expositions attest to the value business men put upon time. For instance, at the annual show of the American Road Builders' Association, the engineer, the contractor and the road user may see in a few hours time all that is new and best in the way of modern labor-saving machinery and equipment, and it can be seen operating under conditions not unlike those found on highway construction projects. All this calls for the assembling annually of some \$3,000,000 worth of equipment, requires 750 freight cars to move it and hundreds of thousands of dollars to assemble it and demonstrate it over an area of some nine acres. Yet all this expenditure is more than justified, say

the manufacturers, because it enables some 25,000 interested persons to see in one week a year's development in road building machinery and practices. It saves time and therefore is worth its cost to busy executives, engineers and road builders. Worth their cost, also, are the score or more of specialized trade exhibits staged throughout the country from time to time.

It is not too much to say that the entire method of doing business is being revamped. But back of all changes, all improvements and forward steps, is the one great driving power—the saving of time, which is but another way of saying keeping costs down, for time is money. "Do the job more quickly and with less manpower" seems to be the order of the day.

A Southwest railroad, on a section of its system 225 miles long, formerly maintained four terminals and shops, and equipment was inspected and given attention at four points on each run. By closing the shops except at each end of the system, it has effected a saving of more than \$240,000 annually, its equipment is being given all the attention it requires and a high standard of service is maintained.

A Baltimore lithographing plant formerly employed a crew of five men, regularly, in unloading paper and preparing it for the presses. The paper was shipped in heavy wooden boxes, averaging 500 pounds each. One at a time they were wheeled from the cars on ordinary push trucks, carried into the warehouse and piled in tiers by several men. When the paper was needed the boxes were lifted laboriously to the floor, there opened and the paper moved on hand trucks to the presses. Handling and rehandling seemed necessary. Now two men have taken the place of five. The paper, instead of being shipped in securely nailed wooden boxes, comes on wooden skids plied with sufficient paper adequately to fill the elevator of the automatic feeder on a standard press. The paper is protected by heavy cardboard and then held securely to the platform by metal strips. An electric truck fitted with an elevating device is run into the freight car, lifts the loaded platform and carries it to the warehouse or direct to the press.

And so industries throughout the length and breadth of the land are giving more and more attention to the saving of time and man power. In the immediate future, and until the majority of industries and business houses step up their plan of doing business to the new scale, there will unquestionably be a certain amount of unemployment, because of the elimination of man power on such a scale as above indicated. But when the new order of doing business is adopted generally, it is certain that consumption and production and distribution

will be so speeded up and conditions so stabilized that there will be jobs for all.

A few years ago it required a force of electricians two to three days to wire an average dwelling. Now the same force wires a dwelling in less than a day. Formerly a two-wire system was used, and it was necessary to drill two holes through each joist and stud, and place therein porcelain tubes to insure proper insulation for the rubber covered wire. Now what is known as armored cable is used, consisting of two copper wires imbedded in rubber and covered with a flexible metal armor, which requires the drilling of but one hole through the joists and stud. By means of a power machine, the holes in the joists and studs are readily drilled and the armored cable is passed through quickly. Thus despite increased costs of materials and higher wages for workmen, house wiring costs less than it did many years ago.

Shot by a catapult off the deck of the French liner Ile de France, 450 miles at sea, an amphibian biplane with a cargo of mail and a crew of four, arrived in New York 16 hours ahead of the ship, thus inaugurating the first regular ship-to-shore airplane service. In its regular service, the French Line proposes to use airplanes to accommodate six passengers and a cargo of mail, and hereafter the airplanes will be catapulted at a sufficient distance from port to permit a saving of at least 24 hours over ship's time.

The cost of loading and unloading is being materially reduced as a result of the increased practice by certain industries of placing their goods on standardized skid platforms for shipment by rail or water, thus providing interchangeability of these platforms with lift trucks used in railway and steamship terminals and in freight warehouses, to transfer shipments between rail and ship, or to convey them to storage.

The farms of the country are fast being mechanized. Instead of the grain cradle, the reaper or even the binder, farmers are running combine harvesters, cutting and threshing wheat at the same time. Tractors are replacing mules and horses. Fast motortrucks have enabled the farmers to ship 80 to 100 miles as easily as a 20-mile trip was formerly made with horse and wagon. A wide variety of power devices is materially reducing man-power needed on farms, and with the extension into rural territory of electric power lines, even greater benefits are to accrue to the farming classes. City conveniences for rural homes have materially reduced the work of housewives and farm life is being freed of much of its drudgery.

This new order of things has come upon us so rapidly that it has not been possible for all our business and industry, small and great, to have grasped its significance. But it is taking hold and there are abundant signs that business houses and industries are going into high gear.

Only recently two remarkable instances of the changed methods of doing business came to this office. They are so significant and so representative of the movement under way throughout the country among progressive and forward-looking concerns, that they are here briefly summarized:

Yarn bought in Rutherfordton, N. C., Tuesday morning was woven into cloth at a Shelby, N. C., textile plant the same day, carried to Spartanburg in the evening, and arrived at the airport on the New York-Atlanta Air Mail route in time to make connection with the schedule. It was delivered in New York City the next morning. The Eastside Manufacturing Co., Shelby, made this shipment in order to send to a New York firm a sample piece of cloth along with a bid on a large order of the product. Bids were to be opened on Wednesday. At 7 A. M. Tuesday the yarn was bought in Rutherfordton, placed in an automobile and speeded 28 miles to Shelby. The thread was put through all the necessary processes, closely watched and timed. The sample was ready for shipment at 4.20 P. M., and an automobile rushed it from

Shelby to Spartanburg, 42 miles, arriving there at 5.45 P. M. in time for the mail carrier at the local postoffice to convey the parcel to the Spartanburg airport three miles from the city.

The second instance: The Sinclair Pipe Line Co., Tulsa, Okla., urgently needed reinforcing material for a reservoir under construction at La Rose, Ill. In addition to bar ties and wire mesh, the order called for 1890 reinforcing bars with 1100 bends. As the order was in the form of a blueprint with sketches of the bends, et cetera, it could not be transmitted by telephone. The order and sketch were dispatched on a fast mail train to St. Louis, arriving at the plant of Joseph T. Ryerson & Son, Inc., in the morning. As La Rose could be served more quickly from Chicago, the order was immediately telephotographed to the Chicago plant of the company, and through this wired photographic system absolute accuracy was insured, making checking or confirmation unnecessary. The order was written up in the usual way and promptly forwarded to the shop. Two crews doubled up and in 85 minutes the material was ready. In the meantime a car had been lined up and in 30 minutes more the material was moving out of the plant for the Sinclair job and it arrived at La Rose for use in the reservoir the next day.

The foregoing are but a few of thousands of available illustrations of the new epoch upon which the world now has entered.

THE NEGRO NOT AN "ISSUE."

DISPRECATION by the Richmond News Leader, an ardent supporter of Governor Smith, of the "negro menace" in the South as a campaign issue is so sane and opportune that true friends of the South will hope other Southern editors will emphasize this point, regardless of their party affiliations. "The negro is not an 'issue' in this campaign," says the News Leader, and in that pronouncement it speaks truly.

In the period of Reconstruction, negro domination was unquestionably the most vital danger and issue in the South. Largely through the work of sterling Southern men and organizations that evil in time was eradicated, and never again, it seems safe to say, will the people of the United States permit recurrence of such frightful conditions. Times have changed and we have entered on a new era. That the issue was kept alive since, through the appointment of some negroes to Federal offices in the South, is unfortunate; but indications are strong that this policy will be abandoned, because flatly it is "bad politics." Indeed, as is shown daily, the danger of unduly elevating the negro now rests in the Democratic national party, rather than the Republican.

Left to themselves, the white people and the negroes of the South will dwell together in amity and mutual benefit economically. This is a fact that the leaders of both great political parties must grasp, and thus refrain hereafter from promoting the "race issue" or the "negro menace." In the heat of a political campaign of a few weeks duration they must be careful not to undo all that individuals and organizations have brought about in the creation of a spirit of harmony between the races in the Southern States.

HOW ABOUT ELIZABETHTON?

WALTER HARPER, secretary of the Chamber of Commerce, Elizabethton, Tenn., writes: "I suppose I am just one of the few who lay your magazine aside without reading it since it is carrying more cheap political stuff than the industrial facts which gave it such high standing."

In view of this statement we are wondering what position Mr. Harper will take in welcoming Mr. Hoover on his visit to that city. Will he count whatever Mr. Hoover says as "cheap political stuff"?

STORMS IN FLORIDA AND ELSEWHERE.

THE Florida peninsula has again been struck by one of the tropical storms that at this season of the year so often originate in the Atlantic Ocean far to the Southeast. This latest storm followed an unusual course. Whereas most of the hurricanes that come out of the South Atlantic travel westward and pass to the south of the Florida peninsula, while some of them cross the peninsula and others, occasionally, turn north along the coast, this one traveled north as far as the coast of North Carolina, where it turned northwest, passed to the west of Richmond and crossed western Pennsylvania, rapidly lost its force over the mountains of Virginia and Maryland, and was a hurricane only for purposes of scientific discussion by the time it reached the vicinity of Pittsburgh.

The storms that struck Florida this year and two years ago were of exceptional violence. Alexander Hamilton as a boy wrote a blood-chilling description of a terrific hurricane that passed over the West Indies, and thereby attracted to his intellectual attainments the attention that resulted in money being provided for his education. The storm of this year is said to have been more severe in the West Indies than the history-making one that started young Hamilton on his journey from the obscure little island in the West Indies to school in the colony of New York, on the vast, unexplored and savage-infested continent of North America.

Beginning with the hurricane that struck the southern tip of Florida two years ago the South and the Middle-West alike have been visited by an extraordinary succession of devastating storms and floods. The United States Weather Bureau corroborates us in the impression that during this period there has been a most unusual bunching of such disasters. The Florida hurricane of 1926, the Mississippi and New England floods and this latest hurricane are the outstanding examples, but the number and violence of other storms have made this two-year period remarkable. It seems surprising that some of our reformers have not gotten into public notice with the claim that this wicked age—but hold on; there comes to mind such a charge, made two years ago against the wicked who annually disport themselves in Florida resorts and bask in Florida sunshine. This seems to have been laughed out of court, however, on the ground that at the time the storm occurred these wicked disporters and baskers were scattered among their various northern habitats, busily gathering the wherewithal for another winter of disporting and basking, and the storm missed them altogether. Some students of meteorology have laid these visitations to peculiar conditions said to have existed in the sun, and have pointed to violent and unusual storms in other countries as evidence that the North American continent is not singled out for special attention. Consequently it has become evident that if an outraged Providence is gunning for the wicked, it is going after them pretty nearly all over the world.

The Florida town-lot boom left that state peculiarly susceptible to damage by high winds, because during that period there were built thousands of houses of flimsy construction. The first heavy wind severely damages or wipes out such matchbox structures, while substantial construction suffers only minor damage. Thus the Florida East Coast Railway reports normal operation within a few hours after the storm, and the Florida Power and Light Company's power and ice plant in West Palm Beach was not damaged. Lines broken by falling trees were quickly repaired and service restored on Monday following the storm.

In addition to this peculiar susceptibility to storm damage, the section around Lake Okeechobee was caught at the worst possible time. A part of that land lies below the surface level of the water and is protected by a dike. The hurricane found the lake full from heavy rains, and when the tremendous

waves it raised reached the dike, they rolled over it as if it had not existed, drowning many people. We are informed by competent observers that most of the deaths of the storm were in this section, where in spite of an eight hour storm warning, many people refused to seek safety, and paid the maximum penalty for their heedlessness.

Florida or any other part of the country may be visited by another violent storm before the wreckage of this one has been cleared away, or on the contrary we may now enter upon a long period of atmospheric peace and tranquility.

FLORIDA COURAGE AND ENTERPRISE.

NO more impressive illustration, in its way, of the irrepressible enterprise and solidity of Florida in time of deepest stress was noted in the recent storm than the work of the Palm Beach Times in getting out an issue on Monday, September 17—a sheet 11 $\frac{1}{4}$ by 7 $\frac{3}{4}$ inches, printed on only one side. Number 357 of Volume VI is an issue of which the publishers and, indeed, the State well may be proud.

Into this small space, the editors crowded in compact form a great amount of engrossing news, including quite a list of casualty names. "Groceries Stores Are Open" is the caption of another news article; conditions in neighboring communities are described and even the barometer readings are given.

The courage and enterprise of the Palm Beach Times on this occasion are characteristic of the spirit of Florida and all the South.

SECRETARY MELLON NOT IN THE DISTILLERY BUSINESS.

IN a religious paper there appeared last week a letter apparently from a minister in which it was said "Mr. Mellon is the biggest distiller in the world." The utter absurdity, the baseless falsity of that statement could so easily have been found by the writer of that letter that one marvels at the ethics which permit a man to so carelessly indulge in slander, and we wonder if when the truth is furnished him he will have the Christian grace to apologize. Mr. Mellon has repeatedly explained that he is in no way interested in the liquor business, but here is his latest statement, which was recently furnished to the magazine "Time" of New York. To that weekly he wrote:

"I once owned some stock in a distillery company as I owned stock in many other business enterprises. The stock in this company was disposed of before I took office as Secretary of the Treasury; in fact, the distillery company absolutely ceased from doing any of its manufacturing business over three years before the Prohibition Amendment went into effect, and the entire business was subsequently wound up. At no time was I ever actively engaged in the distilling business. I have no interest in or connection with the distillation of liquor or any liquor business."

SOUTHERN CITIES BIDDING FOR MINING CONGRESS CONVENTION.

INVITATIONS are already being received by the American Mining Congress from Southern cities asking for the next Industrial Development Conference of its Southern Division to be held in March, 1929. Among the cities bidding for the convention are Atlanta, Little Rock, Mobile, Lexington and Ashland, Ky., and Shreveport, La. The time and place of the next meeting will be determined at the annual meeting of the board of directors of the Southern Division which will probably be held in Washington early in December in connection with the annual convention of the American Mining Congress.

SOME VIEWS OF READERS.

WALTER H. EVANS, of Chicago, in sending his subscription to the MANUFACTURERS RECORD and ordering 100 copies of "A New Declaration of Independence Needed," says:

"Your paper has been brought to my attention by an enthusiastic subscriber, Mr. William E. Jewell, of Indian Harbor, Ind., and if any credit is due for this subscription it should go to him. While my interests are largely centered in Chicago, I want to encourage your noble efforts to build up the South at this most opportune time as well as your courageous fight for a fair and decent presentation of Prohibition now so grossly and maliciously misrepresented in the public press in the interest of the Democratic candidate for President."

From O. B. Hager, of the Riverside and Dan River Cotton Mills, Danville, Va., comes the following letter commending the position of this paper:

"Enclosed find \$2 for which please enter subscription to your good MANUFACTURERS RECORD for three months, starting with the issue of August 23, and mail to Mr. Onslow B. Hager, Jr., 560 West Main Street, Danville. I wish everybody could and would read the MANUFACTURERS RECORD. While I have not been a subscriber, I have had opportunity to read it for years, and I greatly admire and endorse your stand on the Prohibition question."

C. M. Wall, a manufacturer of Lexington, N. C., in a letter to this paper writes:

"I am enclosing check for \$1.50 for which please send me 200 copies of 'A New Declaration of Independence Needed.' I appreciate this article as much as any I have ever read containing the same number of words. If the South will awaken to its opportunity we have scratched only the crust of what we will do in the near future."

George S. McElroy, San Antonio, Texas, in referring to the MANUFACTURERS RECORD, writes:

"I consider it possibly the best Southern upbuilding and directing magazine, both politically and economically. May the MANUFACTURERS RECORD live long and prosperously is my sincere trust."

A. L. Reid, of Fort Meade, Fla., in ordering copy of the Blue Book of Southern Progress, writes:

"I read the MANUFACTURERS RECORD consistently and consider it the best magazine of its kind in existence. I certainly agree with your editor's views on the present political situation and only wish that every voter in the good old South could read a copy of your magazine every week, at least until the election is over and it would benefit them at all times as it keeps its readers in touch with the progress of the South, and its wonderful growth and opportunities."

John W. Slaughter, vice-president of the Columbus National Bank, Columbus, Miss., writes:

"Allow me to congratulate you on your front page editorial of August 16, on Prohibition. I am strongly in favor of your views, and hope that such views will always dominate the political policies of this country."

The Jackson Bros. Lumber Co., of Valdosta, Ga., one of the great lumbering concerns of the South, likewise strongly upholds the position of this paper, and writes:

"We are reading your editorials and other matter with much interest, particularly that portion allotted to the interest of the South as well as your courageous stand relative to Prohibition and other topics in connection with the coming presidential campaign. We like to read such a paper as the RECORD, standing for something and not afraid to speak."

George N. Yard, of the Gulf, Colorado and Santa Fe Railway Co., Galveston, Texas, not only reads the MANUFACTURERS RECORD with appreciation, but passes it on to members of his organization, and then takes it home for his wife to read. In his letter he says:

"I hold your magazine in such high esteem that I not only read it thoroughly myself each week but pass it on to various

members of my organization for their enlightenment. I take my copy home, not that my wife may read it, but to read it to her myself, particularly certain articles that I think she should be posted on."

J. H. Estes, of Miami, Fla., in ordering copies of the "Review of the Prohibition Situation" and subscribing to the MANUFACTURERS RECORD, writes:

"I want to congratulate you for the great service you are doing the American people in the dignified support you are giving Herbert Hoover for President. I am 68 years of age and a lifelong Missouri Democrat but I cannot support Al Smith for President."

J. M. Stephens, of the Stephens Hardwood Company, Inc., Bedford, Va., in sending his subscription to the MANUFACTURERS RECORD writes:

"I am enjoying to the full the RECORD's stand and the articles appearing therein on Prohibition in this the liveliest of presidential campaigns."

The Interstate Marble & Granite Works of Decatur, Ga., write as follows:

"It is unfortunate we do not have right here in Georgia just such a publication as the MANUFACTURERS RECORD with an editor as courageous, who can set forth in forceful manner and deal with issues that are vital to the welfare of the country. Although we have little constructive literature, we feel confident Georgia is safe for the unterrified wing of Democracy and will declare itself accordingly on November 6. Have just read the exchange of correspondence between the editor and Josephus Daniels, and must say this alone is worth many times the cost of the subscription to this publication."

Eugene Craig, of the Lola Manufacturing Co., Stanley, N. C., in subscribing to the MANUFACTURERS RECORD, adds:

"I am heartily in accord with Mr. Edmonds' stand regarding Governor Smith."

J. N. Longest, contractor and builder of Greensboro, N. C., writes:

"I am enclosing check for another year's subscription. I enjoy reading your Prohibition articles and admire your stand on the great issues of the day. I find you always on the right side."

"We are having quite a fight between the drys and wets in this State. We had a Democratic meeting last night in the court house and they had petitions with over 2000 Democrat signers saying they would not support Al Smith. And that is not all; it is this way all over the State. It would not surprise me if this State went nationally Republican. If they want to change the Eighteenth Amendment, I say tighten down on it. I have always been a dry man and will fight Al Smith to the last vote."

A. D. Simpson, vice-president of the National Bank of Commerce, Houston, Texas, in a letter to a member of the staff of the MANUFACTURERS RECORD, writes:

"Houston has been signally honored lately in the national gatherings that have been held here and I do not think there is a city in the South that has received more favorable publicity. For this a great part of the credit is due to your own paper, which to my mind represents the highest pinnacle of the publisher's art in telling to the world the simple story of the greatness of the South."

In another letter Mr. Simpson said:

"I read every copy of the MANUFACTURERS RECORD as it comes because the business man nowadays cannot afford to be without this most dependable source of business news. Many of the strongest articles published in years have been coming from your splendid paper and they are molding the opinions of the sober-minded people of the United States."

H. H. Seay, President and Treasurer, Seay-Bagley Company, Blackstone, Va.:

"My next Republican vote will be my first yet I hope to put it in. If what the Democratic party is now doing is Democracy, then I am not a Democrat. I hope your efficient work may do much to rid us of such methods."

Geo. M. Coffin, of Putnam, Conn.:

"I was 'born and raised' in Charleston, S. C., and am much interested in your support of Hoover. Keep it up and more power to your pen."

THE EXTENT AND WIDE RAMIFICATIONS OF BALTIMORE'S FERTILIZER INDUSTRY.

FOR more than three-quarters of a century Baltimore has been a center of the fertilizer industry, and at present it is officially claimed that the city has the largest fertilizer business in America. Baltimore, we believe, was the first city in the country to import Peruvian guano, which in its day was accounted one of the greatest fertilizer agents available. Later the city became a heavy importer of Orchilla guano; both of these guanos being an accumulation for centuries of bird deposits.

In the early days of the manufacture of fertilizers it was for a while a custom for Baltimore manufacturers to trade a ton of fertilizer for a bale of cotton, and in this way Baltimore soon established itself as a great center of the fertilizer business for the South, and a great center of cotton handling. Thousands of bales of cotton in the late 70s and early 80s came to Baltimore houses in payment for fertilizers which had been shipped South.

The extent of the industry as it now exists was told in a recent advertisement of the Baltimore Commercial Bank. This bank, by the way, as we have previously stated, is doing an exceptionally fine line of advertising, as it is printing in a leading daily paper of Baltimore, once a week, a story of some one of the city's great industries. This is a policy which might to advantage be followed by thousands of banks in the South and elsewhere.

The advertisement of this bank in the Baltimore Sun of recent date referred to the fertilizer industry and presented many facts of interest to every producer and consumer of fertilizer in the country, and that means to millions of farmers and other business men. The advertisement read:

"Fertilizer—A Foundation Industry.

"This is an industry as old as agriculture. Upon it depends the fertility of the soil and hence the preservation of human life.

"Baltimore is the largest fertilizer center in the world. The men of Baltimore have been pioneers in this, as in other important lines of commerce.

"In 1832 the first sulphuric acid chamber in the United States was built in Baltimore. The enterprise of which this was the beginning is still located here, and today is one of the most flourishing plants in the country. Another of our local fertilizer businesses was started in 1840 and still another in 1852.

"They are industries which call upon not only this country, but the world for their raw materials to put into their manufactured products. They find the facilities of the port of Baltimore ideal for their purpose.

"From a modest beginning there has developed in this city a total of eighteen huge fertilizer manufacturing establishments. Their market is widespread. It extends from Canada on the North through the Central West to the South Atlantic states and the Central South as far as Mississippi. Large shipments are also made to Spain, Porto Rico, Cuba, and even to Japan and China in the Orient.

"Their invested capital is between \$25,000,000 and \$30,000,000, with employees aggregating in number more than 5000 during the busy season. Their annual output is over 1,200,000 tons.

"The yearly value of their manufactured product is more than \$23,000,000, and the cost of the raw materials over \$16,000,000.

"Raw materials are brought from many foreign countries—nitrate of soda from Chile; potash from Germany and France; pyrites from Spain; synthetic ammonia from Germany; bone meal and burlap from India.

"Through the magic of the chemist and the engineer, tremendous advances have been made since the days when bones

and oyster shells were ground for fertilizer by crude methods.

"*And he gave it for his opinion, that whoever could make two ears of corn or two blades of grass, to grow upon a spot of ground where only one grew before, would deserve better of mankind, and do more essential service to his country, than the whole race of politicians put together.*"—Swift.

DEMOCRATIC HEAD OF GREAT CHAIN STORE ORGANIZATION SUPPORTS HOOVER.

J. C. PENNEY, president of the J. C. Penney Company, New York, whose winter home is in Florida, and who is developing in a unique way 120,000 acres of land for settlement by farmers, has issued a striking statement as to why, although a life-long Democrat, he is supporting Mr. Hoover. Mr. Penney is head of the J. C. Penney Company, which operates about 1000 department stores in all parts of the country. He is president of the Christian Herald Company and is widely known throughout the land not only as a man of outstanding business ability, but as a farmer, as a developer of 120,000 acres of land, and as the owner of one of the best cattle herds in America. He has given intense study to every phase of the agricultural situation.

In the course of his statement he said:

"The well-being of the country rises above partisan issues and, while I shall remain a Democrat in the affairs of my State, which is Florida, and have no intention of becoming a Republican, I have a feeling which amounts to a deep conviction that the opportunity to have Herbert Hoover as President is one that we should take.

"Two very important questions are before us—farm relief and Prohibition. In the farm question I have an interest as keen as that of any farmer, for of our stores, which number more than 1000, a majority are in the farm districts. Their prosperity depends on the prosperity of the farmer. I started my first store in Wyoming and for years all of our stores were in the Western and Middle Western States.

"The farm problem is not a new one to me and I am not in it for amusement. In the light of my experience, it seems to me that few men have ever shown so slight a grasp of the situation as did Governor Smith—if his acceptance speech is to be taken as his best effort. His lack of understanding is fundamental. He simply does not know what it is all about, and after giving a few unimportant and misleading figures he simply says that he will try to get some one to help him solve it by law.

"We have had solutions by law through the years and we narrowly escaped destruction by law in the McNary-Haugen bill. The farm is a business enterprise and must be brought to that level by the leadership of a man who understands both business and farming. That man is Herbert Hoover. He can do for farming what, as Secretary of Commerce, he has done for business, and can put it once and for all on a firm foundation. His proposals are direct, comprehensive and wholly practical. He does not just weep on the farmer's shoulder.

"I am a dry. I am in absolute accord with Hoover's stand on Prohibition. It is a noble experiment. Entirely aside from the moral aspects of Prohibition, I trace to it much of our national prosperity. Governor Smith's proposals are entitled to weight, but I am wholly against them. I will not vote for a wet.

"In short, while I do not doubt Governor Smith's sincerity in his various pleas for election, I more than doubt his competence to grapple with our national problems. I doubt neither Hoover's sincerity nor his competence. And therefore I am going to do all that lies in my power to help towards his election."

"Blindly to follow the opinions of your party when in direct opposition to your own clear ideas, betokens a degree of servitude that no worthy man could bear the thought of submitting to." — Edmund Burke.

September 27, 1928

West Indian Hurricane Which Swept Into a Portion of Florida Caused Over 1,000 Deaths and Property Damage Amounting to \$75,000,000.

REHABILITATION OF STORM STRICKEN AREA BEGINS.

[Special Correspondence Manufacturers Record.]

West Palm Beach, Fla., September 22.

This most recent visitation by the forces of nature was the worst the state has ever experienced. Within 12 hours Sunday during the storm more than 1000 persons lost their lives by drowning and property damage estimated at \$75,000,000 was done. The figures quoted are official.

Although more than half the property damage is to be found in Palm Beach, West Palm Beach and the other coastal cities of Palm Beach county, the loss of life was confined to the Lake Okeechobee communities where dikes were washed away as the hurricane-driven waters swept over them and deluged lake-shore towns. There were two deaths in West Palm Beach.

At present little can be said of reconstruction or rehabilitation. The immediate task has been the recovery of the dead from the waters of Lake Okeechobee and their burial; the clothing of 8000 who were without garments, the feeding and sheltering of 15,000 homeless. The work goes on, directed from this city by the Palm Beach County Chapter of the Red Cross, with the full backing of the National Red Cross.

However, with evacuation of the Everglades communities now virtually complete and with the dead buried, energies soon will be turned to rehabilitation. Local Red Cross officials and city chiefs have said definitely that West Palm Beach will be rebuilt and that it will be ready to welcome its winter visitors in November or December.

Streets in the city, on Monday following the storm so strewn with debris that they were virtually impassable, have been cleared with amazing speed by city forces under direction of City Manager Parker. Meanwhile, individuals are busy with repairs attempting to wrest from the wreckage of their homes and business places temporary shelter at least. Red Cross officials have estimated that 95 per cent of all buildings in Palm Beach county have been damaged, while hundreds are totally destroyed.

Virtually no buildings, no matter what the construction, escaped unscathed. Terrific strain, of course, was put upon them by a wind estimated at from 100 to 150 miles an hour. However, it would seem that sounder structures were hurt chiefly by materials hurled against them as less stable buildings collapsed.

The great havoc wrought beggars description. Walls crumbled like chalk. Huge steel beams are bent and twisted. Wooden beams are driven through thick, well constructed walls. Roofs are sliced off as if by a giant knife. Frame dwellings are turned around on their foundations, or tipped over on their sides. In Palm Beach proper, mud and water was knee deep in hotels and homes. It has been estimated it will cost a million dollars to repair The Breakers Hotel, the Alba, and others of the big hosteries. Only two of the three bridges between Palm Beach and West Palm Beach remain passable. The opening of school, due to damages to the buildings, has been delayed a month. Stocks of merchandise, retail and wholesale, for the most part have been ruined. One buys merchandise today at almost his own prices. All available labor has been put to work, especially the building trades

workers, and all able bodied persons who do not volunteer for work are being conscripted under a "no work, no food" edict promulgated by Mayor Vincent Oaksmith and the city manager. Emergency ordinances have been passed by the city commission to put down profiteering and two prominent merchants have been fined and sentenced to jail.

Although there has been remarkably little looting and although there is no martial law, the city is patrolled by police, firemen and 161 militiamen sent into the city by Governor Martin. The United States Coast Guard also has had a landing force of 75 men on duty.

Both Governor Martin and Doyle Carlton, Democratic candidate for governor, have been in the city. After a personal survey Governor Martin dispatched telegrams to the mayors of every city in Florida asking their aid in raising cash for the relief work. Mr. Carlton reached the city with \$10,000 in his pocket which he had personally raised for the work. Meanwhile, the City of West Palm Beach, hard-up financially as it is, has advanced \$50,000 for the sufferers.

Sanitary conditions along the coast are satisfactory. In the Glades they have become so bad that the evacuation movement was the only course.

All officials are united that Palm Beach and Okeechobee Counties have experienced the worst storm in the history of the state. But the people of the North, officials feel, have so long been misled by exaggerated statements about Florida, that they do not now realize the disaster to this section. There is need for millions of dollars. Contributions now are beginning to come in but more is needed.

In a statement last night A. L. Schafer, national Red Cross representative in charge here, said:

"Never in my experience with disasters have I seen a place the size of West Palm Beach that has experienced such universal destruction as has this city and county. Nowhere have I seen people assume the responsibility with such directness, dispatch and courage. The finest possible spirit has been shown. No one is crabbing or downcast despite personal losses. The morale of the people is wonderful."

Although virtually all lake communities in this county—those on the eastern and southern shores of the lake—have been almost wiped out, it is reported here that the Clewiston interests, Moorehaven and the settlements on the west side escaped with but slight damages. Practically all Palm Beach county crops, of course, are lost.

Every citizen, every organization, every agency, is hard at work here. Other Florida cities are aiding magnificently.

This section will be rebuilt.

Industrial Study Course.

The Virginia Polytechnic Institute, Blacksburg, Va., expects to offer during the coming school session a course of industrial development and surveys. It will involve a brief review of the industrial history and development of the Southern States with particular reference to Virginia. In addition there is planned a detailed study of industrial surveys, how to secure such information and a study of the proper application of the facts.

The Tariff As It Affects Industry and Commerce and Agriculture.

By W. M. BENNEY, New York.

"It has long been foreseen that ultimately the South would be as strong for tariff protection as the New England States and Pennsylvania and other industrial centers have been," was very truly said by the *MANUFACTURERS RECORD* in a recent issue, at the same time pointing out that "it was not foreseen by many until within the last year or two that the farmers of the South would so soon demand a protective tariff." Nevertheless, a prominent Senator from a Southern State not long ago lent encouragement to a national trade body desirous of seeing our tariff lowered, in an address at that body's annual meeting, in which he is quoted as saying that "we cannot hope to have a large foreign commerce if we maintain prohibitive tariffs."

It might be thought by this expression that the Senator considered our present tariff prohibitive. But if so, how does he account for the great variety and large volume of our imports outside of raw materials, for the innumerable foreign manufactured articles so prominently displayed in our department and other stores throughout the country? Will he see a larger variety of exotic goods displayed in the marts of European countries? How can the present tariff be considered prohibitive or tending to prohibit when under it dutiable clay and clay products enter the country to the value of \$25,000,000; dutiable vegetables and preparations of vegetables to the value of over \$30,000,000; dutiable fruits and nuts to nearly \$50,000,000; dutiable iron and steel products to the value of \$50,000,000; dutiable tobacco products to the value of over \$70,000,000, and dutiable textile goods to the value of over \$400,000,000?

Tinplate and Tinware.

But more satisfactory for the general reader than mere statistics or abstract or rhetorical statements should be concrete illustrations of the operation of a protective tariff. Perhaps no better illustration so far as the American tariff policy is concerned can be taken than that of the duty on tinplate. Few materials have been and still are in more common use than tinware, and tinware is made from tinplate.

Forty years ago the manufacture of tinplate was concentrated in Great Britain, and the United States was the greatest customer for the article. Despite the fact that we then had a healthy and growing iron and steel industry (thanks to our protective tariff), through oversight or by design the tariff law placed a higher duty on the "black plate" (the iron or steel sheet before dipping) than on the finished tinplate. Consequently the American who desired to make tinplate in this country was penalized by this tariff difference. With the correction of this anomaly in the tariff of 1890, the manufacture of tinplate was started on a large scale and rapidly developed, so that by 1900 we had advanced from a position of absolute dependence on another country for a material needed in every household, and at an annual cost of many millions of dollars, to one where we were becoming independent of foreign supply and were ourselves beginning to export.

In 1926 our production of tinplate approximated \$200,000,000 in value, while our exports that year amounted to nearly \$29,000,000, and in 1927 slightly exceeded that great sum. Meanwhile, our imports of tinplate have dwindled so that they are negligible, amounting to less than \$200,000 in 1927.

The result of that little adjustment of duties 38 years ago has been much more than the upbuilding of an important

branch of our great steel industry. Tinware is much less in use for kitchen utensils than a generation ago, but it is even more in evidence in the kitchen through the great growth of the canned goods industry, largely made possible by the domestic production of tinplate, although some shortsighted canners in the last century opposed a protective tariff for the tinplate. American products canned in tins now are important articles of diet in nearly every land.

But the great growth of the tinplate industry in the United States, depriving Britain of its former chief market, has by no means been fatal to the British tinplate industry. The United Kingdom and the United States are the chief producers of this universally used article, with Germany and a few other countries making much smaller quantities. In the last three years the three countries named have stood as follows with respect to exports of tinplate in gross tons:

EXPORTS OF TINPLATE—GROSS TONS.		
	1925	1926
United Kingdom	511,355	375,041
United States	161,353	250,782
Germany	10,033	19,513
		1927
		472,029
		253,890
		29,116

These figures show that the United Kingdom is still by far the largest exporter of tinplate, while production figures place the United States far in the lead, the statistics of production being as follows in gross tons:

PRODUCTION OF TINPLATE—GROSS TONS.		
	1925	1926
United Kingdom	706,600	571,200
United States	1,657,794	1,782,306
Germany	98,788	89,637

This data illustrates the great degree to which the United Kingdom looks to other lands as markets for its tinplate, and especially emphasizes the comparative unimportance to us of foreign markets in proportion to our home consumption, despite the large amount in tonnage of our exports.

Who would now decry the policy of protection which played so important a part in the upbuilding of our tinplate industry, particularly in view of the low prices at which our tinware is sold in the home market?

Silk and the Tariff.

From an article of necessity we might proceed to one of luxury, or what was once considered a luxury—silk. But silk in the United States has now become a necessity, or at least its use in many forms is common and at the command of all classes, thanks largely to the operation of our tariff in protecting the wage earner from the destructive competition of the products of low-wage countries, and to the encouragement of men of enterprise and vision to risk their resources in the manufacture of silk.

We have no tin mines, neither do we produce the raw silk. The latter comes to us chiefly from Japan, at an annual cost for the raw silk of nearly \$400,000,000, of course, free of duty. But to this vast sum an amount nearly as great is added in the form largely of wages to American workers, so that the total value of our manufactures of silk in 1925 was \$808,000,000. Of that sum in that year, over \$142,000,000 went to wage earners in silk factories. Would anyone prefer that we sent that amount abroad? It is true that we import considerable quantities of manufactures of silk, as well as the raw material, \$42,000,000 worth last year, but in view of the present much higher price of silk goods the world over in comparison with pre-war prices, this shows that we now import a smaller quantity of foreign silks than in pre-war

days, despite our greatly increased wealth and consequent buying power. In fact, silk goods are now becoming an important part of our exports, the value of American silks going abroad having been over \$15,000,000 in 1927, as compared with only \$2,330,000 in the year before the war.

Boots and Shoes.

Let us look at another aspect of our tariff system and the operation of protective customs duties.

Boots and shoes are used by all classes of people in every civilized country and there is a factory or household shoe industry in every land. Through the wise adjustment of our customs duties on this essential article of wear for all of the Nineteenth Century and the early years of the Twentieth, American boot and shoe manufacturers were able to supply the needs of this country in footwear, and at the beginning of this century, through the invention and intelligent use of machinery, were able to find an increasing market abroad for the American product. In 1901 we exported nearly 3,500,000 pairs of leather shoes, valued at \$5,500,000. Exports grew rapidly up to 1914, the year the great war began. In the fiscal year ended June, 1914, we exported nearly 10,000,000 pairs, valued at nearly \$18,000,000, or more than three times the value of the exports of 1901.

Meanwhile the Tariff Act of 1913 had gone into effect, in which boots and shoes of leather were put on the free list. The war breaking out in the following year at once created a feverish demand for American footwear as well as other classes of goods, resulting in an exportation of over 20,000,000 pairs in 1916 and, despite the greatly increased prices following the war, 1919 saw over 21,000,000 pairs go abroad. By 1920, high prices and other causes resulted in a drop in our exports to less than 17,000,000 pairs. Gradual recovery of other nations industrially is accentuated in the record of our boot and shoe imports and exports. Before the war, under moderate protection, we saw our shipments of shoes abroad gradually expanding, reaching nearly 10,000,000 pairs in 1914, with imports negligible; now, under free trade (the 1922 tariff continued leather shoes on the free list), we see our exports decreasing and imports increasing. In 1924 we exported 6,296,000 pairs and in 1927 only 5,513,000, while in the same period our imports grew from 586,000 pairs in 1924 to 1,477,000 pairs in 1927. Decreasing exports and increasing imports of leather footwear are continuing this year, according to latest reports. In justice to the 250,000 wage earners employed in our boot and shoe factories, can we afford to jeopardize their position by continuing to admit free of duty the products of overseas factories?

Agricultural Implements—Protection Outgrown.

As an example of an American industry which has outgrown the need for tariff protection we can point to agricultural implements, which were placed on the free list in 1913 and retained in that list under the present tariff. Long ago American inventive genius placed this country in the lead of all others in devising mechanical means to relieve the toil of the farmer. On the other hand, the liberal land policy of the Government in encouraging farming, the rapid growth of population and consequent demand for the products of agriculture, coupled with initiative and enterprise on the part of the American farmer himself, afforded a splendid field for the exercise of that ability to develop production on a large scale so characteristic of the American manufacturer, and so well exemplified by the achievements of the maker of agricultural implements. With a constantly growing market at home, the manufacturer also had at his doors the constantly developing American iron and steel industry, itself built up under the encouragement of a protective tariff. As a consequence of these favorable conditions, the agricultural implement manufacturer, while paying much higher wages than prevailed in any foreign country, was able to furnish

the American farmer with implements at lowest cost and, because of the effectiveness of these implements, coupled with their low price, was also able to ship them abroad.

The foreign market for these implements absorbed them at the beginning of this century to the value of over \$16,000,000. This foreign market has continued to grow so that in 1927 our exports of such implements amounted in value to over \$90,000,000, and the prospects are for a still larger export this year.

Our imports of implements are very small in comparison.

"Friendship" In Industry.

The following letter comes in comment on recent industrial suggestions advanced by O. H. Cheney, American Exchange Irving Trust Company, New York City:

Morgan Construction Company.

Worcester, Mass., September 5.

Editor Manufacturers Record:

Thirty-five years' experience in competitive marketing of one of the products of this company has given me some definite knowledge, principally of what won't do. This experience leads me to place very little confidence in what is called "friendship" and "co-operation" (in industry). I may go so far as to say there are no such things when we must, or think we must, have the order.

Of course, buyers know this and naturally take full advantage of it, sometimes, no doubt, going to the dishonest extremes referred to in the article in the MANUFACTURERS RECORD.

Since no reliance whatever can be placed on the much discussed advantages of "getting together," "friendship," "co-operation," etc., the question remains: What is the remedy for starvation prices? The answer is suggested in the words of Mr. Cheney: "The laws of economics help those who help themselves. The present condition of the steel industry cannot be blamed on anybody but the steel men. They have it in their power to work themselves out of the difficulties in which they have placed themselves."

I know that is a fact—at least, as applied to certain lesser industries—and firmly believe there is a lawful remedy available which would be of great benefit to all, not only the steel producers, but also the consumers and the country as a whole. Many others know it and have had similar experience.

It is quite clear to me why Mr. Cheney said that the steel men have nobody to blame but themselves.

E. A. W. JEFFERIES.

Would Sell The Everglades.

W. J. McTimmons.

Grower of Oranges, Grapefruit, Vegetables and Bulbs.

Jacksonville, Fla., September 14.

Editor Manufacturers Record:

I am of the opinion that the best thing to do with the Florida Everglades is for the State to sell the land to capitalists at \$1.25 per acre. Let them—with their improved machinery and experienced engineers and men that will work and are competent to handle this kind of project—reclaim the lands and get the benefit and pay a fair tax to the State on the land.

In my opinion, the draining of the Florida Everglades is not a project for politicians to handle. I settled in Volusia county in 1877 and know a little about the lands of the State and something about the politics of the State, and my opinion is that when that bonding project of the Everglades was defeated Florida stock went up 50 per cent.

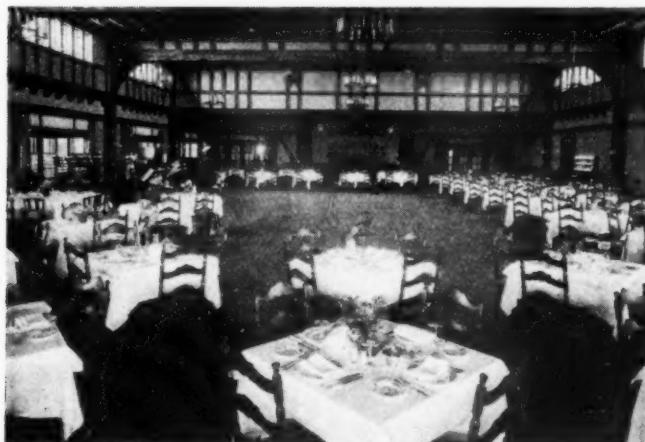
W. J. McTIMMONS.

Contract Let for Fort Bragg Barracks.

Fort Bragg, N. C.—Captain Lawrence L. Simpson, Constructing Quartermaster at the army post here, awarded contract to the W. P. Rose Company, Goldsboro, N. C., for erecting a field artillery battalion barracks building and a field artillery regimental barracks building, with utilities. Construction will be of reinforced concrete and brick. The cost will be \$294,600.

\$1,800,000 Lookout Mountain Hotel Completed.

The new Lookout Mountain Hotel recently completed on Jackson Hill, the highest point on Lookout Mountain, near Chattanooga, Tenn., was designed especially to suit the unusual site it occupies. It cost about \$1,800,000. Every room is an outside room, those on the west overlooking Wills valley and the Cumberland range of mountains; those on the east overlook the Chattanooga valley, Fairyland golf course,



THE MAIN DINING ROOM.

Mission Ridge, ridges of North Georgia and Cohutta Mountain. Rooms facing the north overlook Lookout Point, a part of Moccasin Bend, and a series of mountains; those facing the south overlook points and ridges on the top of Lookout Mountain. The hotel will be operated by the Dinkler Hotels, Atlanta, with L. O. Moseley, manager.

The building is fireproof, of early English architecture, with a base of native weathered stone and exterior walls of California stucco richly colored. An imposing tower, 140 feet high, carries a large beacon light visible from long distances. The structure has a tile roof and various sections of the exterior have been appropriately treated to conform with its architecture. The building is 413 feet long, with a height

of 77 feet for the main section; total length of the porches is 410 feet. The main dining room is 60 by 100 feet, and lobby 50 by 90 feet.

Architectural features of the main dining room involve early English detail, with heavy beamed ceilings and panelled walls of selected cypress. Large fireplaces are provided in the main lobby and dining room. There is a beauty parlor, barber shop, soda fountain, also refreshment stands and several specialty shops. The kitchen is of ample size, well lighted and ventilated and under the main dining room there is a large grill. Another section under the dining room is used as a dressing room for patrons of the swimming pool.

All bedrooms are equipped with private baths, the latter having tiled wainscoting and floors, while twin rooms contain floor space equal to two average rooms. Spacious closets and two large windows are a feature of each room. Woodwork is of dark finish and plastered walls are painted in different colors. Carpets, draperies and furnishings have been selected to harmonize with the architecture and the grounds around the hotel have been carefully landscaped. A large swimming pool has been constructed for the use of guests.

The R. H. Hunt Company, of Chattanooga and Dallas, was the architect, and the Underwood Contracting Corporation, of New Orleans, general contractor. Important sub-contracts were awarded as follows:

- Brick and tile work**—Anchor Fireproofing Company, Detroit, Mich.
- Caulking**—New Orleans branch of Chamberlin Metal Weatherstrip Company, Detroit.
- Concrete forms and reinforcing steel**—Hugh J. Baker & Co., Atlanta, Ga., and Indianapolis, Ind.
- Electrical work**—Ramsey Electric Company, Nashville, Tenn.
- Elevators and elevator enclosures**—Atlanta branch of Otis Elevator Company, New York.
- Heating and plumbing**—American Heating and Plumbing Company, New Orleans.
- Hollow metal windows and kalamein doors**—American Sheet Metal Works, New Orleans.
- Icing equipment**—Nashville Machine and Supply Company, Nashville.
- Millwork**—Enochs Lumber and Manufacturing Company, Jackson, Miss.
- Ornamental and miscellaneous iron**—Price-Evans Foundry Company, Chattanooga.
- Plastering and stucco**—W. M. Murphy, Chattanooga, and Glenn Mulvihill Co., Inc., St. Petersburg, Fla.
- Roofing and sheet metal work**—Tom Snow Heating and Roofing Company, Chattanooga.



A GLIMPSE OF THE NEW HOTEL ON LOOKOUT MOUNTAIN, NEAR CHATTANOOGA.

Bruce: A New Sawmill Town in Mississippi.

By E. L. FELLMAN, Memphis, Tenn.

It isn't often that a lumber company deems it advisable to build a town in which to locate a sawmill. Sawmills are not usually considered of such importance. But the E. L. Bruce Company, large makers of hardwood flooring and owners of 90,000 acres of the South's finest timber lands, made the experiment by building the town of Bruce, Miss.; and the results, not yet two years in the making, portray an unusually interesting development.

In the summer of 1925 the company cut the right of way for its 22-mile standard railroad from Bryant, Miss., on the Illinois Central, westward to the present location of the new town of Bruce which is ten miles south of Calhoun City on the Pontotoc and Calhoun City Highway. Early in 1927 the railroad was completed and work on the townsite started. On July 4, 1927, this railroad, the Mississippi and Skuna Valley, began to carry freight to and from Bryant. Almost overnight the spirit of the entire population of Skuna Valley changed. This fertile section had lacked means of transport as well as the impetus of a nearby business section, and had been wasting away through inactivity. The frequent whistle of the locomotive hauling string after string of loaded cars, however, soon awakened the valley to the realization of its new position and value.

That was just the start. The Bruce mill was still to be

put up. The lack of industry in the town delayed progress until the latter part of 1927. It was not until the 7 o'clock whistle calling the men to work for the first time on the morning of March 15 of this year that Bruce realized it was a real sawmill town and had a thriving industry upon which to base its growth. There were 500 inhabitants in Bruce that day. Four months later there were nearly 2000. And this rapidity of growth shows yet no slackening tendency.

The backbone of the plan was the Bruce sawmill and planing mill, which together give steady employment to 375 men. The sawmill is a single band with resaw, a smoothly functioning and efficiently managed unit. The output is oak and pine cut from the 45,000 acres of Bruce-owned virgin timber. The mill and town are located in the midst of this large timber tract which runs 40 per cent to rosemary pine and the balance to white oak and poplar. This is one of the country's few remaining stands of these excellent species and here there is at least a 20-year supply to keep the sawmill humming and the planing mill and the dry kilns working at capacity.

Other industries have been attracted by the possibilities in Bruce. There is a slack barrel stave mill owned by the Allen Cooperage Company with a daily capacity of 25,000 feet. Both the Day-Winton Company of Grenada, Miss., and the



VIEWS OF THE PLANT OF THE E. L. BRUCE COMPANY, BRUCE, MISS.

S. S. Collins Company of Vardaman, Miss., own planing mills which have a combined daily capacity of 150,000 feet. Plans are complete and work will begin immediately on an up-to-date cotton gin. The Standard Oil Company is putting up a distributing station with a 25,000 gallon gasoline tank. There is also a creamery, and a machine shop which specializes in repair work for the Mississippi and Skuna Valley Railroad.

Eighteen months ago there was but one frame house and a few negro shanties. Today there are 150 homes in Bruce, 26 stores, eight of which are brick buildings, three hotels, a theater, frame office buildings and a church. An outstanding addition will be the Bruce Bank now nearing completion. Immediate plans call for several new stores, a \$40,000 school building with 10 acres of playgrounds, a hospital, two more churches and a Masonic temple.

The townsite covers 1000 acres of well shaded and gently rolling land. The layout provides straight streets and avenues surrounding the city square where the proposed courthouse will be erected. The power house at the sawmill serves the town with electricity and near by is located the only water well in a radius of 100 miles. Calhoun City and Pittsboro, neighboring towns, had to import water in tank cars until the E. L. Bruce Company found water at Bruce. The well is 1762 feet deep.

As this is written, it is assured that Bruce has been well founded, that it is a successful experiment, and that the town will grow to fill a notable place in the State.

\$2,000,000 Contract on 590 Miles of Pipe Line.

Port Arthur, Tex.—The Texas Pipe Line Company, Houston, B. E. Hull, president, has awarded contract to Smith Brothers, Dallas, at approximately \$2,000,000, to construct its proposed trunk pipe line from West Texas to Port Arthur. The line will extend from the major oil producing pools of Winkler, Crane, Upton and Pecos counties, via San Marcos, Lockhart and Houston to this city, and will involve 120 miles of 10-inch pipe and 470 miles of 12-inch pipe. A sufficient number of pumping stations will be installed to provide an initial capacity of 35,000 barrels daily. Contract was recently awarded to the Youngstown Sheet and Tube Company, Youngstown, Ohio, for 65,000 tons of pipe.

\$265,000 Low Bid for Hotel Addition.

Austin, Tex.—The Driskill Hotel Company has a low bid of \$265,648 from L. H. Lacy, Dallas, for constructing a 12-story addition to the Driskill Hotel here, 80 by 100 feet, to contain 200 rooms. The new building will have stores on the first floor and will be connected with the present building by an arcade and court yard. Trost & Trost, El Paso, are the architects.

\$350,000 Chapel and Auditorium for Baylor University.

Waco, Tex.—The Board of Trustees of Baylor University has commissioned Lang & Witchell, Dallas, and H. L. Spicer, Waco, as architects for a \$350,000 combined chapel and auditorium, the structure to be known as Waco Hall. It will be located on property owned by the University at Speight and Seventh streets.

\$250,000 Boat House for Naval Academy.

Annapolis, Md.—Plans are being drawn by the Bureau of Yards and Docks, Navy Department, Washington, for a \$250,000 boat house for the United States Naval Academy here, of which Rear Admiral S. S. Robison is the superintendent. Captain J. H. Newton is Aid in Charge of Buildings and Grounds.

\$12,000,000 DUKE POWER PLANT UNIT UNDER WAY.

Big Carolina Project Designed for Ultimate Capacity 600,000 Horsepower.

Construction is proceeding on the first 150,000-horsepower unit of the 600,000-horsepower steam-electric plant at River Bend on the Catawba River, about six miles from Mount Holly, N. C., for the Duke Power Company, Charlotte. A contract was awarded last spring to the Atlanta branch of the Babcock & Wilcox Company, New York, for furnishing and erecting the complete steam generating, pulverized fuel preparation and burning equipment for this unit, which will involve a total expenditure of \$12,000,000. Located in the northern part of the Piedmont section of the Carolinas, the plant will be in the heart of North Carolina's cotton mill district. It will be essentially a base load station and during its normal operating period will carry a full load 24 hours a day.

The Babcock & Wilcox contract calls for four cross-drum boilers with 35,000 square feet of heating surface each, equal to the largest boilers of that type ever built by this firm. Each boiler will be equipped with an interdeck superheater of the return bend type and a tubular air heater. Furnaces and pulverizing mills will be supplied by the Fuller Lehigh Company, Fullerton, Pa., a subsidiary of the Babcock & Wilcox Company. The furnaces will be of the hopper bottom type with Bailey water cooled walls on all four sides and the hopper bottom. At maximum rating, each boiler will be required to provide 450,000 pounds of steam an hour at 500 pounds pressure and at a temperature of 750 degrees Fahrenheit. They will be equipped with Calumet type burners, six burners to each boiler, the direct-fired system to be used.

In the arrangement of pulverizing, feeding and burning equipment, the coal will flow by gravity from overhead suspension type bunkers through three spouts to three 400-pound-per-dump Richardson scales, each scale having a maximum capacity of 12 tons per hour. The scales will be supported on movable framework, so that they may be shifted from one boiler to another, the coal dropping by gravity through spouts to three standard cast iron housed mill drag feeders. Discharged from the feeders, the coal drops through rectangular spouts to the pulverizers, and on the bottom side of these spouts rectangular magnets have been installed for removing stray pieces of tramp iron. The head pulley of the conveyor over the raw coal bunker is also equipped with magnets, which will remove the major portion of the iron, the magnets on the feed spouts having been installed as a precautionary measure for removing particles of iron which may have been missed by the head pulley or which may have accumulated while the coal was passing through the system. Three Lehigh pulverizers No. 54, with a capacity of 10 tons an hour each, will be installed on each boiler. There will be a total of 12 of these mills in the initial installation.

Preheated air is supplied to the mills from a hot air heater which receives its supply from preheated air ducts supplying the burners. Adjacent to the pulverizers in the hot air supply duct is an inlet for boiler room air, the connection of this air inlet and the preheated air duct being provided with dampers for mixing hot and cold air to any desired temperature below the preheated air temperature.

Pulverized coal is removed from the mills by three cast iron exhausters provided with cast iron liner plates in the housings to prevent wear against its periphery. The exhausters are of rugged construction to insure smooth running, and shafts, bearings and running parts are designed to operate at full speed without excessive vibration with one blade removed from the fan wheel. The exhausters have been so arranged on the operating floor, that the distance from center to center

of front boiler columns across the main aisle has been reduced from 55 to 46 feet without crowding the equipment.

Coal is blown from the exhausters through a Fuller-Lehigh standard coal and air distributor and split into two streams through piping to the burners. Two cast iron butterfly valves have been placed at the discharge of the coal and air distributors and are used only in a totally opened or closed position. If a particular mill is not in operation, these valves are closed to prevent a possible back flash from the furnace and thereby they protect the workers from injury.

Virginia Public Utilities Convention.

Richmond, Va., September 22.—Representatives of gas, water, telephone, street railway, electric light and power companies from many parts of Virginia, including speakers prominent in the utility industry from other sections of the country, are expected to attend the annual convention of the Public Utilities Association of Virginia, to be held in Roanoke, November 21 and 22. J. W. Hancock, Roanoke, president of the association, is chairman of the arrangements committee, assisted by W. J. McCorkindale, manager of the Roanoke Gas Light Company; C. B. Short, general manager of the Roanoke Railway and Electric Company, and Allyn B. Tunis, Richmond, secretary of the association. Demonstration of the Televox will be among the features. Headquarters will be at the Hotel Roanoke.

Additions for Two Oklahoma City Buildings.

Additions are now being made to the Cotton Exchange Building at Second street and Harvey avenue and to the Oklahoma Savings and Loan Association Building at Second and Robinson streets, Oklahoma City. Scott Ferris awarded contract several months ago to the Tankersley Construction Company of Oklahoma City to remodel and erect 4 additional



COTTON EXCHANGE BUILDING, OKLAHOMA CITY.

stories to the 6-story Cotton Exchange Building and to remodel the present section. The lower floor of the finished building consists of a granite base course, 6 feet high, with polychrome terra cotta extending to the second story. The top of the structure is also of terra cotta. Layton, Hicks and

Forsyth, of Oklahoma City, are the architects for the addition.

The Oklahoma Savings and Loan Association awarded contract at about the same time to the Harmon and Mattison Construction Company, Oklahoma City, to erect 5 additional



OKLAHOMA SAVINGS AND LOAN ASSOCIATION BUILDING.

stories to its 3-story structure, 50 by 140 feet, of concrete and stone, at a cost of about \$300,000. The three upper stories of this building will be occupied by the Oklahoma City University Club. Guy C. Reid of Oklahoma City is the architect.

New Water Gas Plant at Laurel, Miss.

Laurel, Miss.—The Mississippi Gas and Coke Company has completed a new Steere water gas plant here consisting of a 6-foot gas machine, fuel handling system, blowers, blast piping, pumps, tubular condenser, after cooler, purifiers, and other equipment. The plant is equipped for operation with both high-pressure and exhaust steam, fuel being fed by a bottom dump bucket handled with an electric hoist. Two blowers have been installed, each with a capacity of 2900 cubic feet of air per minute. The equipment was furnished by the Semet-Solvay Engineering Corporation, New York.

Contract Let for 10-Mile Florida Railroad Line.

General contract for constructing a 10-mile railroad line from Belleglade-Chosen to the West bank of the Miami Canal, Florida, has been awarded to the Cornell-Young Company, Macon, Ga., by the Florida East Coast Railway Company, Calvin Oberdorf, engineer of construction, St. Augustine. The contract covers roadbed, bridges and track laying. The line will connect with a proposed extension of the Atlantic Coast Line Railroad in the vicinity of Lake Harbor, near the Lake Okeechobee end of the Miami Canal.

12-Story Hotel Contract Awarded.

Huntsville, Ala.—The Erskine Hotel Corporation has awarded contract to the E. G. Holladay Company, Nashville, Tenn., for the erection of the new 12-story and basement Hotel Huntsville, for which Marr & Holman, Nashville, are the architects. The building will be 115 by 138 feet, of reinforced concrete and structural steel, with brick and hollow tile walls, stone trim and built-up roof. Work will begin at once.

Glories of Mt. Mitchell, the Highest Eastern Peak.

By ALLAN NICHOLSON, Union, S. C.

Mount Mitchell, far famed throughout America and recognized as the highest mountain east of the Mississippi River, is now within easy access of every motorist in the land, over a wonderful scenic highway.

Romance and tragedy, as well as the glories of extensive and beautiful scenery are interwined with thoughts and stories in connection with this mountain. It was the Rev. Elisha Mitchell, a native of Connecticut and for 40 years a distinguished professor at the University of North Carolina, who first discovered that Mount Mitchell, then called Black Dome, was higher than the nearby peak known as Clingsman Dome, and in verifying this calculation he lost his life by falling over a precipice into a pool of water far below. It lacked only one day of being 65 years from the day Professor Mitchell met his death until a party of newspaper men motored in the first automobiles to go over this road.

The Mount Mitchell motor highway winds in and around the Blue Ridge and other mountains, following the roadbed of the former logging railroad over which during the World War was transported millions of feet of spruce, converted into airplanes for Great Britain and America. Although the road reaches to Camp Alice, nearly 6711 feet above sea level, the grade is said at no point to exceed 6½ per cent, with an average of 3 per cent. This engineering feat was accomplished by a clergyman, Rev. C. A. Dodds, a Reformed Presbyterian missionary to Turkey from 1899 to 1910. The toll gate to the highway is midway between the railroad stations of Black Mountain and Ridgecrest, N. C., these points being about 16 and 18 miles, respectively, east of Asheville on the Asheville & Salisbury division of the Southern Railway.

Almost from the moment one enters the gate and the gradual upward climb starts, the wonders of nature begin to unfold. Winding along the side of forest and flower clad mountains, through seeming gateways cut from solid stone, with here and there a vista through the trees, or an open clearing, there are revealed expansive views that hardly can be equalled in all the world. Indeed, it was because of Professor Mitchell's known great love for the beauties of this mountain peak that his remains, first interred in Asheville, were later brought back to the top of Mount Mitchell.

At the toll gate, less than two miles out from Black Mountain, a short distance from Ridgecrest, where is the summer colony of Southern Baptists, and about 18 miles from Asheville, one reaches the first "switch-back," and glimpses some of the beauties that are intensified as the climb goes upward. A "switch-back" it may be explained, is where a complete circle is made, for a short distance paralleling the roadbed, in order to gain a higher level. A short distance from this "switch-back," one crosses the first bridge which spans an abyss.

Three miles from the toll gate, one reaches a point from which can be seen, far below, the town of Black Mountain. In the distance is Blue Ridge, the summer conference grounds of the Young Men's and Young Women's Christian Association of the Southern States, to which are sent workers to receive instruction and hear addresses from able speakers. Robert E. Lee hall, an imposing building, is a feature. In a 17 minutes' drive, one reaches Rainbow Gap, while a short distance further on is still another wonderful view from Lookout, which before the highway was changed from its original location overlooked Montreat, the summer assembling place of the Presbyterians of the South.

Montreat is shut in between almost parallel ranges of mountains; it has a wonderful \$100,000 auditorium, constructed of stones taken from the brook which flows through the

grounds, and is capable of seating about 5000 persons. The seats were constructed by mountaineers out of mountain laurel. During the summer months, from 12,000 to 15,000 persons, representing all Southern and many other States, gather at Montreat for religious conferences, in the invigorating mountain climate and the delightful social and spiritual atmosphere. Montreat is equipped with all modern conveniences.

At four miles on the highway, one crosses another bridge and from a gap gets a good view of towering Brushy and Lookout mountains. Five miles from the toll gate, far across the Valley, there again comes into view a beautiful picture of Robert E. Lee hall and also a splendid view of a range known as the Seven Sisters. At five and a half miles, is another "switch-back" by which one ascends to much higher elevation, and on going a short distance gets a magnificent view of the



MITCHELL MEMORIAL TOWER.
Erected on Mount Mitchell in honor of Elisha Mitchell, who lost his life there 65 years ago while verifying the mountain's height.

mountains to the east, there being easily discerned the famous Andrew's Geyser at Old Fort. This sends a stream of water 80 feet into the air. Sour Wild Gap marks the first point at which the motor highway crosses the Blue Ridge mountains, and from this point one can look hundreds of feet down the verdure clad mountainside.

Eleven miles from the toll gate, one catches a glimpse of Pinnacle, the highest peak of the Blue Ridge mountains, while beyond Mill Creek Springs is a wonderful panorama of mountain scenic beauty, and on clear days one glimpses the buildings in Marion, N. C., many miles away. Approximately 12 miles from the entrance to the motor highway, the "water divide" is reached, all waters flowing toward the east meandering hundreds of miles in streams and rivers into the Atlantic Ocean, while the rain drops that fall on the west

side, accumulating in creeks and rivers, finally find their way into the Gulf of Mexico. The Asheville watershed, which supplies the city of Asheville, is about 15 miles from the toll gate and from this point one catches a view of Potato Knob and Clingman's Dome.

From Camp Alice, the ascent of 710 feet is made by winding trail to the summit of Mount Mitchell, where is an observation tower, 35 feet high, built of native stone in 1926, at a cost of \$20,000, given by Colonel C. J. Harris, a public spirited citizen of Dillsboro, N. C. From the tower, a glorious view of the wonders and magnificence of mountain solitude and beauty is to be obtained, and a sweep of mountain ranges, rising tier on tier, some as far distant as 50 miles.

The trail by which mountain climbers ascend is so well graded, and for the most part well shaded, that the ascent is made in comparative comfort. Proof of the safety and safeguards of the highway is found in the fact that during the five years after the road was opened, although over 100,000 motorists traversed it, there was not a single accident.

In the United States are marvels of scenic beauty, and evidences of engineering skill that hardly can be duplicated or rivaled, and among these are the marvels along the Mount Mitchell motor highway.

Manufacturers to Meet in October.

Business of importance is slated for the annual meeting of the National Association of Manufacturers, to be held in New York, October 22, 23 and 24, at the Waldorf-Astoria Hotel, the program including election of officers and directors and the transaction of such other corporate business as may be brought up. John E. Edgerton of the Lebanon Mills, Lebanon, Tenn., is president and George S. Boudinot is secretary.

Among the nominees for vice-presidents from various States are: Alabama, J. L. Kaul, Kaul Lumber Company, Birmingham; Georgia, H. M. McCulloch, Peerless Woolen Mills, Ross-ville; Kentucky, W. Hume Logan, Logan Company, Louisville; Maryland, Albert W. Adt, John B. Adt Company, Baltimore; Missouri, Robert L. Lund, Lambert Pharmacal Company, St. Louis; Tennessee, I. B. Merrian, Chattanooga Boiler and Tank Company, Chattanooga.

On the nominating committee are Robert E. Blake, International Shoe Company, St. Louis, Mo., and R. P. Purse, Purse Printing Company, Chattanooga, Tenn.

\$350,000 Additions to Fort Worth Cement Plant.

The Trinity Portland Cement Company, Dallas, Tex., is doubling the capacity of its Fort Worth plant at a cost of approximately \$350,000. In the original construction of the plant all necessary buildings for this expansion were erected. All grinding mills, both on raw and finished materials, have been purchased from the Traylor Engineering and Manufacturing Company, Allentown, Pa. They are 8 by 40 feet, of the 3-compartment type. A kiln 11.3 by 10 by 300 feet was purchased from the Reeves Brothers Company, Alliance, Ohio, while motors and motor controls were obtained from the General Electric Company, Schenectady, N. Y. Construction work and machinery installations will be handled by the engineering department of the Trinity Portland Cement Company, O. V. Bartholomew, Dallas, in charge.

Plans for \$500,000 San Antonio Building.

San Antonio, Tex.—Plans will be completed about October 1 for a \$500,000 building to be erected here by the Groos National Bank, Franz C. Groos, president. The building will be of reinforced concrete, structural steel and brick, 65 by 86 feet, probably 10 stories and basement. Henry T. Phelps is the architect and Beretta, Stiles and Company, consulting engineers, both of San Antonio.

New England to Visit Texas.

Elaborate preparations for the entertainment of a great group of New England and New York financiers, industrial leaders and business men on a visit to Texas next month are reported by John W. Carpenter, chairman of the Texas Industrial Committee, which, on behalf of the State, will act as host for the occasion. The itinerary is being made up and Beeman Fisher, representing the committee, is in Boston, at the University Club, to receive suggestions and give all information.

In a beautiful invitation, prepared individually for each prospective guest, the committee says, in part:

"You are invited to see Texas in October—one of the most colorful, one of the most dramatic pictures in the world's gallery—at a time when darkies will be singing down the cotton rows and gins will be humming the tune that is popular with farmers, bankers and all business. Texas will be smiling in a bath of mellow golden sunshine, fanned by pleasant zephyrs carrying a salt tang from the Gulf."

To which Governor Dan Moody adds: "That you may see with your own eyes and hear with your own ears something of the present-day Texas."

On the Texas Industrial Committee as named by Governor Moody are, Mr. Carpenter, president of the Texas Power & Light Company; J. Perry Burrus, prominent in textile circles; Albert T. Clifton, president of the Texas State Manufacturers Association; R. M. Kelly, president of the East Texas Chamber of Commerce; Carl L. Pool, secretary-treasurer of the Pool Manufacturing Company; W. E. Austin, a pioneer and leader in furniture manufacturing in the State; E. H. Kifer, San Antonio Public Service Company; G. M. Knebel, vice-president of the Texas State Manufacturers Association; J. A. Kemp, "father of the Wichita Valley irrigation idea"; W. L. Clayton, Anderson-Clayton & Co., Houston; G. W. Fry, president of the West Texas Utilities Company, Abilene, and Albert Kinesid, president of the Sheep and Goat Raisers Association, Del Rio.

Standardization and Marketing of Products Main Topics of Steel Construction Convention at Biloxi.

The Sixth Annual Convention of the American Institute of Steel Construction, Inc., will be held at Biloxi, Miss., November 13-17. Problems of merchandising and of standardizing of products will be the chief subjects for discussion.

Standardization already accomplished by the Institute, states Charles F. Abbott, Executive Director, New York City, is saving the builders of the United States approximately \$30,000,000 per annum on current contracts. Efforts are being made to effect further savings in steel construction. An outstanding feature of the Biloxi convention will be reports of the field engineers the Institute sent out the past year to assist in broadening the market for structural steel.

\$500,000 Apartment Building for Oklahoma City.

Oklahoma City, Okla.—Plans have been prepared by Hawk & Parr, architects of this city, for a \$500,000 apartment and shop building at Tenth street and Harvey avenue for Marmaduke Corbyn, according to S. B. Prewitt, vice-president of the G. B. Stone Realty Company, which will serve as rental agent. The structure will be of Spanish architecture, 147 by 100 feet, six stories and basement, of light colored brick with cut stone trimmings. It will contain 110 apartments, with 8 shops and a large parlor on the ground floor. Storage space for approximately 60 automobiles for guests will be provided in the basement.

[From Jacksonville Times Union.]

Protective Tariff Necessity for Prosperity of Florida, Is Plea of Committee Chairman.

Lorenzo A. Wilson Outlines Benefits to Be Derived by Adoption.

A protective tariff is imperative if Florida fruit and vegetable growers are to continue the cultivation of their lands. This was the unanimous conclusion reached at a conference of the growers, representatives of the Florida Chamber of Commerce, the shipping, marketing, banking and other business interests of the state, held at Miami, September 5. An executive committee of the Florida Division of the Southern Tariff Association was appointed to formulate plans for securing more adequate protection on Florida products.

The committee is comprised of Lorenzo A. Wilson, Jacksonville, chairman; W. M. Scott, Sanford; Harry H. Hector, Miami; R. R. Kerr, Miami; H. T. Bennett, Bradenton; R. K. Thompson, Sarasota; L. L. Lowry, Orlando; E. N. Webb, Miami; and C. S. Fletcher, Miami. The committee already has made a preliminary survey of the situation and Mr. Wilson has issued the following statement:

"At a special session of congress to be held next April, the present tariff measure will be rewritten and it will remain a law for eight years, according to the public statements made by leaders of both parties. The flexible provision of the present tariff act permitting the President on recommendation of the tariff commission to increase the present rates 50 per cent is insufficient to give Florida growers complete relief and we must look to congress to give us adequate protection.

"Essential As Soil.

"Protective Tariff a Necessity: A protective tariff is as essential a factor to the prosperity of the Florida producers as soil and sunshine. It is a proven and recognized fact that protective tariff rates reach the soil and go directly into the pockets of the producers. The rate of duty placed upon Florida products in the next tariff act will be the yard stick that measures our prosperity. It will largely fix the value of our products and our land; regulate our progress and greatly enlarge our opportunities. It has in it a college education for the boys and girls upon the farms of Florida.

"As an example. The present rate on tomatoes is one half of one cent per pound. A duty of three cents per pound would add approximately \$5,000,000 to the price the growers receive for the annual crop. The same applies to most all Florida products.

"A low tariff or no tariff will make a wilderness of our gardens and a desert of our farms, idle labor, idle capital, idle land, and it will make loafing centers of our cities, wipe out our schools, churches, highways, make desolate our cities and destroy all agencies of higher civilization. Our soil, climate and natural endowments place us in competition with Cuba, Bermuda, Mexico and other tropical countries where standards of living are far below those of our own. If we should be compelled to abandon our natural heritage of soil and climate to foreign countries, we will have no resources, no values, nothing to sell, nothing to tax, nothing to do, and our civilization will crumble and decay. Poverty, ignorance and despair will stalk unrestrained throughout the land.

"No one who fully understands and is in sympathy with Florida progress will question the necessity of a protective tariff. Our problem is how we can best get it.

"Permanent Policy Favored.

"To Florida Congressmen and Senators: We favor a national policy of protection that treats every product of the soil, the factory, the mine and the sea alike. We are willing

to give the same degree of protection to the products we buy as we ask upon the products we sell.

"We favor making a protective tariff a permanent American policy and not a partisan policy. There is no more reason for making protection a political issue than for deciding at the polls whether or not we need rainfall. One is as essential and as self-evident to the producers of Florida as the other.

"We interpret the tariff provision of the Democratic platform as authorizing and instructing our congressmen and senators to vote for a protective tariff measure. A protective tariff congressman is as necessary to the prosperity of the growers of any district of Florida as a plow. We further request all our congressmen to place the welfare and influence of their constituents above that of instructions of any party caucus in congress.

"We have in process of preparation the schedules we desire upon Florida products and if these rates are incorporated in the tariff measure, approximately as presented, it is our desire that our senators and congressmen support the bill as a whole. We do not want to become a party to any policy or effort to lower the standards of living of those engaged in any industry in the United States of which we are the consumers. We are committed to a political philosophy of live and let live; give and take and seek no advantage of any industry engaged in gainful pursuits.

"We favor an adequate tariff and we define an adequate tariff as one that will give the American markets to the American producers without lowering our standards of living. We favor rates of duty on all articles produced in the United States that will bring this result.

"Would Stabilize Prosperity.

"To Bankers, Merchants, Manufacturers, and Allied Interests: A permanent protective tariff policy will stabilize prosperity, guarantee a profitable price for products, increase and insure land values, put value into securities, increase deposits, loans and profits. It will increase the purchasing power of the citizens of Florida and open up new lands to intensive cultivation, provide a new market for our manufacturers and place a firmer foundation under our cities. With permanent and adequate protection we will buy from other states a billion dollar per annum of merchandise, such as food, clothing, machinery, farm implements and manufactured articles, increasing the nation's prosperity as well as that of our own.

"We invite all those engaged in productive pursuits to join with us in securing a protective tariff.

"To Railroads, Automobile and Transportation Interests: A protective tariff will more than treble the tonnage of Florida, both outgoing and incoming. It will develop non-competitive tonnage as the products are grown around the depots. The demand for trucks, automobiles and vehicles of transportation will be enormously increased.

"Let those engaged in transportation figure out the revenue the carriers will receive on an acre of land under intensive cultivation such as tomatoes, vegetables and fruits, as compared with idle land and determine for themselves the value of protection of Florida products to labor and capital engaged in transportation. A carload of tomatoes from Miami to Chicago pays in freight charges \$1.00 per hundred pounds. The Florida tomato crop in 1927 amounted to about 136,000,000 pounds.

"Compare this sort of condition to that of free trade which will destroy all we have and prohibit development and then count the cost. Under such conditions we may as well give Florida back to the Indians.

"We call upon the employes and stockholders of railroads, manufacturers, and dealers in railroad and automobile equipment and supplies to join with us in securing adequate protection.

"Organization Is Necessary.

"Why Organization Is Necessary: To carry on educational work, to develop and assemble influence and properly determine and agree upon rates of duty among our growers; to consult with growers and other states and sections and to properly present our necessities to Florida congressmen and to committees of congress requires organization with authority

and responsibility definitely fixed and these activities must be properly financed.

"Our work is both offensive and defensive. The present duties are too low, they must be increased. We will be confronted with organized opposition among importers, American investors in foreign properties and products, canners and others whose investments profit by free trade.

"Our congressmen and senators are our constitutional representatives, authorized to speak for us in congress and we look to them for leadership, but the proprietors of the products and the owners and tillers of the soil must inform our representatives in congress of the needs of the state and see to it that our problem is understood by all members of congress from all states. Florida has four members in congress out of a total 436 throughout the nation. We have two senators out of a total of ninety-six throughout the nation. It is the roll call in congress that gives us protection and it takes a majority to pass a bill. The vote of a congressman from any one state counts the same as that of any other state. That our Florida congressmen need reinforcement is evidenced by the present tariff measure in which Florida products are inadequately protected. By uniting the tariff interests of Florida and co-ordinating our work with other states, we can better secure consideration and understanding.

"We grow minority products principally and all require protection. Nature made Florida a garden and gave us soil and climate that produces every day in the year. We need the co-operation of the producers of other states and the only way to secure it is through organization and a spirit of live and let live. We must stand one for all and all for one in tariff work.

"A protective tariff so vitally affects the business, economic, educational, religious, social life of Florida and so broadens the horizon of our opportunity that every citizen should study, understand and preach it in season and out. The executive committee of the Florida Division of The Southern Tariff Association invites all citizens of our state to aid in developing, assembling, enunciating and committing public sentiment favorable to protection both in Florida and in other states."

Firms Estimating on Government Printing Plant Extension.

Washington, D. C.—The following contractors are estimating on the construction of a fireproof extension of the Government Printing Office, bids for which will be opened October 15 in the office of James A. Wetmore, Supervising Architect of the Treasury Department: M. A. Long Company, Washington and Baltimore; Consolidated Engineering Company and the North-Eastern Construction Company, both of Baltimore; Algernon Blair and A. C. Samford, both of Montgomery, Ala.; Charles H. Tompkins Company, James Baird Company, George A. Fuller Company, William P. Lipscomb Company, Inc., Arthur L. Smith and Company, and the George Hyman Construction Company, all of Washington; English Construction Company, Washington and New York; Yeager & Sons, Danville, Ill.; Murch Brothers Construction Company, St. Louis; N. P. Severin Company, and the Fleischer Engineering and Construction Company, both of Chicago, and the J. H. Weise Company, Omaha, Neb.

Contractors estimating on the mechanical equipment, except elevators, include: The W. G. Cornell Company and the Standard Engineering Company, both of Washington, and the Virginia Engineering Company, Newport News, Va. These bids will also be opened October 15.

Low Bid of \$574,980 on Atlanta Building.

Atlanta, Ga.—The National Construction Company of this city has submitted low bid at \$574,980 for erecting the office building here for the Rhodes-Haverty Company. The structure will be 17 stories and basement, with a 3-story tower, 82 by 95 by 80 feet, of reinforced concrete, brick and steel, granite base, tar and gravel roof, terrazzo, tile and cement floors and hollow tile partitions. It will contain six stores on the ground floor and will be served by four elevators. Pringle and Smith, Atlanta, are the architects.

\$1,000,000 Mengel Body Unit Under Way.

Construction of the second unit of the Mengel Body Company's plant in Louisville, Ky., to cost about \$1,000,000, was started on September 1, contract having been awarded to the Struck Construction Company, Louisville. To be built primarily for the manufacture of automobile woodwork for the Willys-Overland Company, the plant will cover a ground area about 275 by 441 feet, and occupancy has been promised by the contractors in 12 weeks. It will be one of the largest woodworking plants in the country, having a capacity of something like 70,000,000 board feet annually.

The first unit of the Mengel Body Company, a subsidiary of the Mengel Company, has been in operation since the middle of 1923 and during the past six months has operated almost steadily day and night, it is said, in the manufacture of automobile body woodwork, having been constructed to serve the Durant automobiles. The Mengel Company employs approximately 3500 operatives in Louisville and upon the completion of the new plant will increase this number to nearly 4500. J. T. White, manager of the plant, will have charge of the construction of the new unit. C. C. Mengel is president of the Mengel Company and William L. Hoge of the Mengel Body Company.

Bids Asked on \$2,000,000 Memphis Building.

Memphis, Tenn.—The Bank of Commerce and Trust Company, R. Brinkley Snowden, chairman of the building committee, will receive bids until October 1 for the erection of its proposed \$2,000,000 bank and office building at Second and Monroe streets. The structure will be 150 by 150 feet, of the set-back type, three stories and basement, of polished granite construction. A reinforced concrete and steel vault will be installed and three elevators. Hunker and Cairns of Memphis are the architects. The following contractors are estimating: Kaiser-Ducett Company, B. E. Buffaloe and Company, Gauger-Korsmo Construction Company, S. & W. Construction Company, Estes-Williams Company and H. A. McGuire & Company, all of Memphis; Gambel Construction Company, St. Louis; Bellow-Maclay Construction Company, Central Contracting Company and Hickey & Harrington, all of Dallas, Tex.; Seaboard and Southern Construction Company, Jacksonville and Atlanta; Gordon Walker, Little Rock, Ark.; Struck Construction Company, Louisville, Ky.; Foster & Creighton Company, Nashville, Tenn.; Sumner-Sollitt Company, Chicago, and the Angle-Blackford Company, Greensboro, N. C.

Baltimore Rail Crossings to Cost \$1,204,440.

Plans submitted by Charles F. Goob, chief engineer of Baltimore, and approved by Mayor William F. Broening, for the elimination of railroad grade crossings on Eastern avenue, at Ninth and Eleventh streets, provide for an underpass in the nature of an open cut. The cost of the improvement is estimated at \$1,204,440, including \$411,680 for the acquisition of property and \$792,760 for construction. An ordinance providing for the underpass will be sent to city council as soon as it has been prepared, and the employment of a consulting engineer will be recommended to the Board of Estimates.

\$1,000,000 Addition for Memphis Postoffice.

Memphis, Tenn.—Construction of a two-wing addition to the Memphis postoffice building is expected to be started soon, according to Postmaster E. V. Sheely, who has recently been in conference with Mr. Muldowney, an architect of the Treasury Department, who has prepared preliminary plans. Each wing will be 130 by 65 feet. More than \$1,000,000 has been appropriated for the addition.

Drinking Habits of Men and Women Before Prohibition.

[This country is flooded with statements that the consumption of whiskey has increased under Prohibition and that young people are drinking more freely today than they did in former years. Doubtless thousands of people whose memory does not go far back are misled by these statements. They are made to think that bootlegging and drinking by college students and young women are things of the present day rather than of the past. For this reason the writer proposes to give, for a few weeks, some facts on drinking activities long prior to Prohibition, in order to throw some light upon former conditions when drinking was far more prevalent than it is at the present time.—Richard H. Edmonds.]

Number 5

An 80-Year-Old Denunciation of the Liquor Traffic As an Economic and Moral Curse.

In 1846 a remarkable appeal was made by the State Temperance Convention of Baltimore "to the Citizens of the Commonwealth of Maryland," protesting against any licensing of the liquor traffic. The wording of that appeal, made over 80 years ago, fits with exactness the situation of today, except as to the statistics given in regard to the cost of the liquor traffic to the State of Maryland and other items based on the population of that day.

This appeal, in the form of an old pamphlet discovered in a second-hand book store by an officer of the MANUFACTURERS RECORD, presents arguments against the whole liquor traffic which apply with equal force today.

Few speeches ever made against the liquor traffic have stated its evils more forcibly than one by Lord Chesterfield, quoted in this pamphlet as having been made in the House of Lords on February 21, 1743. In that address Lord Chesterfield pointed out with exceeding clearness the evils of the whole liquor business in all of its wide ramifications, and in the closing part of the address, as quoted in the pamphlet, in which he classed liquor dealers as murderers, said:

"Let us crush at once these artists in slaughter, who have reconciled their countrymen to sickness and ruin and spread over the pitfalls of debauchery such bait as cannot be resisted. I am very far, my Lords, from thinking that there are this year any peculiar reasons for tolerating murder, nor can I conceive why the manufacture is to be held sacred now if it is to be destroyed hereafter."

A Grand Jury report said in 1837, referring to the license system authorizing the sale of strong drinks:

"Even when most wisely and cautiously administered, we cannot but regard it as at war with the well-being of the community. It is, in our judgment, nothing more than the selling of a commission for the organization and encouragement of drunkenness, pauperism and crime."

Lyman Beecher is quoted as saying:

"I challenge any man who is engaged in the traffic of ardent spirits, and who is acquainted with its properties, to prove that he is not guilty of murder."

In the course of this appeal it is said:

"Almost every subject of police regulation is conceded to be within the scope of control. Shall it punish as a crime the sale of unwholesome meats from the butchers' stall, or adulterated drugs from the apothecary shop? And shall the sale of rum be too high and sacred a privilege to be infringed or modified? * * * May it (the law) not lay its hands on a traffic which does more to corrupt society, to counteract the benefits of our public schools, to destroy the public peace and multiply crime than all other causes combined, lest, forsooth, it invade the 'home-

bred right' of him who, vulture-like, feeds upon the vitals of the community and makes his gains out of the follies, the vices or the madness of his fellow-men?"

Another striking paragraph says:

"Everything, therefore, which tends to weaken the moral sense, to impair the self-respect and to encourage a spirit of misrule in the community does a lasting injury to the stability of our Government. It saps the foundation on which it rests, and every triumph of a mob is the triumph of the people over their own liberties. * * * In all the history of mobs in this city and elsewhere has there ever been one whose excesses might not be traced directly or indirectly to the influence of intoxicating drinks? It is not in their cool moments that the people turn traitors to themselves."

"If ever our liberties are broken down, it will not be by the hands of a foreign foe; they will sink beneath the blows of domestic violence when vice and corruption have undermined the basis on which they rest."

That last sentence is almost exactly in harmony with a statement made by Lincoln, when in his day, appealing to the country against the lawlessness of the hour, he said that America would probably never be destroyed by an invading foe, but it was in danger of committing suicide by the violation of law.

This report of 1846 shows that in the City of Baltimore, out of 992 paupers admitted to the almshouse of the city and county in 1840, 944 were there because of intemperance, and that of 142 children born in the almshouse or admitted to it in that year, 115 were brought to destitution by the drunkenness of their parents.

Even 80 years ago liquor control laws were violated, as shown in the statement that "in the city of Baltimore the recorded average number of licenses granted is one to every 13 families; according to actual investigation one to every eight families, which showss that many sell without license, and that every eight families support one such drinking establishment."

And further, showing the futility of trying to curb liquor drinking under a license system, this report published over 80 years ago stated:

"Nor are our licensed taverns and grog shops, in the aggregate, any other than grammar schools for vice. Every post-office, every magistrate's court, the polls on election days, every public political meeting, each and all find its convenient resort at those licensed places of vicious instruction which are on most of our public roads thicker than the milestones that designate their length. Here the young and old, the idle and dissolute congregate, here it is that crime in every shape and form is generated from the first neglect of duty, and the squanderings of the industrial savings of former years; from theft, fraud and prostitution in the young, to burnings and

robberies, and more hardened offences in the old; these are the train-band, these shops are the training ground by which our almshouses, our jails and penitentiaries are filled with inmates, and an enormous mass of human beings, who under sober habits and moral training would be sources of wealth and strength to the country and the State are here, by law, chiefly through the influence of intoxicating drinks, transformed into excrescences of corruption and weakness which must be cut off, and cast away from the community, to prevent the contamination of the whole frame, leaving the body itself in a constant state of inflammatory excitement, producing weakness and exhaustion in the end; and causing a yearly sacrifice of blood and treasure greater than ever was occasioned by pestilence or war.

"Thus like the grain subjected to distillation, converted from a wholesome nutritious article of food to a poisonous fiery liquid, which 'drinks the spirit up,' so are our innocent population made vicious and criminal, through the medium of the license law, which was only designed for their preservation and protection."

Would the advocates of modification of our Prohibition laws have us turn backward to licensed liquor which would be made available to all and thus again produce conditions described as an economic and moral curse?

[From Pottsville (Pa.) Journal, September 17.]

FATHER MATHEW'S CAMPAIGN.

Ninetieth Anniversary of the Great Pledge-Signing Crusade for Total Abstinence Brings a Pertinent Reminder.

At this time when certain men and women of prominence, socially and in a business way, are announcing they will support the Democratic nominee for the Presidency for no other reason than that he has pledged himself to do all in his power if elected to restore traffic in intoxicants, it is interesting to note that this year marks the ninetieth anniversary of the signing of the pledge by that great apostle of temperance, Father Theobald Mathew, of Ireland.

When we hear and read the arguments of some people that intoxicants are essential to the order and well-being of this great nation of almost 120,000,000 souls we wonder what the sturdy old campaigner, who in the first five months of his crusade induced 150,000 people in Cork alone to sign the pledge, would say if he were alive and heard such a fatuous assertion? We can imagine the vigor with which he would confute it and how he would flay those who put forth the contention.

Father Mathew was the greatest force for temperance that this world has ever known. Born in Thomastown Castle, near Cashel, Ireland, on October 10, 1790, he entered college at Maynooth in 1807. In 1814 he was ordained in the Franciscan order. Contemplating the sad havoc, the sorrow and the dissoluteness caused in his own land by intoxicants he signed a total abstinence pledge on April 10, 1828, and began his great temperance crusade. He traveled throughout Great Britain and Ireland and toured the United States in 1849-51. As a result of his efforts in all these countries, and particularly in Ireland, there was a marked decrease in intemperance and crime. Father Mathew Temperance Societies were organized all over the world and many of them are still in existence. While the distinguished prelate was in the United States he was invited on the floor of the Senate. He was the second man from abroad to be accorded this privilege. The first was Lafayette.

The teaching of Father Mathew was that there should be no compromise with intoxicants which he regarded as the most terrible of all the perils that beset human society.

[Father Mathew's followers are still found working hard in many Catholic societies against the fearful evil of the liquor business.—Editor MANUFACTURERS RECORD.]

Nashville Asks Bids on Improvements.

Bids will be opened October 2 by the Board of Public Works, Nashville, Tenn., for three improvement projects, including street paving, sewers and water service.

\$2,377,533,000 in Exports for Six Months.

American exporters did more business in the first six months of the year than in any twelve months period prior to the world war, according to a bulletin "Our World Trade for January-June" issued by the Foreign Commerce Department of the Chamber of Commerce of the United States. Exports for the first half of the year, amounting to \$2,377,533,000, were \$11,000,000 greater than in the same period a year ago, states the Chamber.

Nor can this increase be attributed wholly to higher prices, for the report shows heavy gains in tonnage in most lines as compared with the pre-war period. Further, says the report:

"During the first six months of 1928, 92 out of 141 principal commodities in our export trade were shipped abroad in larger volume than in the corresponding period a year ago. These increases range from 1.7 per cent for wheat flour to 205.9 per cent for borax. Most of the increases were in exports of American manufactured products, which are gradually becoming a more important factor in our export trade.

"Completely finished manufactures constituted 47.2 per cent of the value of our exports, semi-finished manufactures 15.9 per cent and manufactured foodstuffs 9.6 per cent, a total for manufactured products of 72.7 per cent of our domestic exports.

"It is also significant that 27 of our 29 chief exports whose total values were higher than a year ago were manufactured merchandise.

"The leader of American manufactures was 'automobiles, parts, and accessories,' which continued its upward climb with exports amounting to more than one-tenth of our total shipments abroad. During the first half of this year we exported 194,000 passenger cars, 58,957 motor trucks and buses, 76,932 automobile engines, and 1,249,000 tires, high marks for the automotive industry.

"More than half a billion pounds of refined copper valued at \$74,000,000 was exported in the same period; 395 million pounds of lard, valued at \$50,864,000; 5,723,000 barrels of lubricating oil, valued at \$46,672,000; 11,293,000 barrels of kerosene, valued at \$46,561,000; and about one-and-a-quarter billion board feet of lumber, valued at \$45,765,000.

"The upward trend of our exports of agricultural machinery and implements has been one of the brightest spots in American foreign trade, the value for the first half year reaching \$54,012,000. We shipped abroad during this period 2082 combines, 13,994 grain harvesters and binders, 130,000 horse and power plows, 1763 threshers, 28,061 wheel tractors, and 1237 track-laying tractors.

"Among our ten leading exports, cotton and leaf tobacco were the only items to show declines in both value and quantity. Exports of gasoline, totaling more than one billion gallons, exceeded all previous six-months' figures in volume, although the value \$104,421,000 was 12 per cent below the 1927 figure.

"Among the most striking increases in value of exports were the following: Corn, 94.6 per cent, and furs, 65.3 per cent. The severest decreases included wheat, 51.3 per cent; and rosin, 54.8 per cent.

"Outstanding gains in export volume were borax with an increase of 205.9 per cent, iron and steel scrap 139.6 per cent, logs and hewn timber 138.1 per cent, combines, 107.8 per cent, and threshers 162.4 per cent.

"Severe declines in quantity included fresh apples 70.5 per cent, oats 63.7 per cent, rye 61.5 per cent; pianos 50.9 per cent, shooks 59.6 per cent."

New Engraving Plant for Macon.

Macon, Ga.—The Southwestern Engraving Company, Beaumont, Tex., will establish an engraving plant here about October 1, according to an announcement by the Chamber of Commerce. The plant will be in charge of Alfred E. Richardson with Charles C. Snead in charge of the business office and art department. The Southwestern Engraving Company, said to be the second largest of its kind in the United States specializing in school work, operates plants at Fort Worth, Dallas, Houston, Beaumont, Amarillo, Wichita Falls, Tex., Tulsa, Okla., and Atlanta, Ga.

Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

Wants No More Free Trade and Fears We Are Having too Many Mergers.

San Antonio, Texas, September 1.

Editor Manufacturers Record:

I want to compliment you on your answer to Ex-Secretary Daniels' letter. It is every bit based on facts.

I do not want to see any more Cleveland administration times. A dollar bought many a dollar's worth, but it was almost impossible to get a dollar. Cleveland's administration broke every rice and sugar planter in Louisiana and Texas, and almost every farmer in the United States was down to the bread line when McKinley took the reins. Immediately things picked up and one could hardly get new wagons and farm implements fast enough, as the people had not been able to buy for years and their equipment was all worn out.

In 1895 the writer bought 20 carloads of corn from Kansas City, shelled and sacked and delivered at Mansfield, La., for 25 cents per bushel. What did the poor devil get who raised that corn? A man with a thimbleful of brains does not want to see such conditions as we had during Cleveland's administration.

There is a danger cloud on the horizon today, as it looks to the writer. There are too many large mergers, too many big concerns getting control of every line of industry, and the bars of hope are being put up against young men of ability who do not happen to belong to the favored few, and cannot rise to prominence no matter what their ability may be. The government years ago fought big trusts, but the Federal Reserve Bank officials are the tools of large corporations, and through them by propaganda the government now is advocating these large corporations. It looks as though it will be but a short time until all but the favored few are hirelings. I do not believe this will be satisfactory to the American people.

I have run my own business from the start, but the bars now are being put up so tight that I do not see how I can run it much longer.

S. A. GUY.

How About Immigration?

J. J. Battershill & Son,
Highway Contractors.

Glenville, W. Va., August 24.

Editor Manufacturers Record:

In regard to Smith's acceptance speech I would like to ask a question. How is he going to relieve unemployment and let down the bars on immigration at the same time? This seems to me a very important part of his speech, having far-reaching consequences not for the economic good of our country.

Another thing: If he would let the families of the foreigner into this country, how many more foreigners would we have?

T. C. BATTERSHILL.

Commends This Paper for Straight Hard Hitting.

Tulsa, Okla., September 3.

Editor Manufacturers Record:

I have been reading the MANUFACTURERS RECORD for several years but have never been a subscriber direct. I like your manner of attack. I like your straightforward way of saying black is black. I am with you both for the tariff and against Al Smith—From Toity Foist Street, New York. I am with you for electing Herbert Hoover to the presi-

dency. Then give him support for eight years; by that time the many departments of the government would be well organized, the red tape eliminated, and the many useless employees who only measure red tape would be employed at some useful occupation in private walks of life, so as to show a saving in keeping with any well organized business.

D. C. BOYD.

The Race Issue in the Campaign.

Standard Paper Manufacturing Co.

Richmond, Va., August 30.

Editor Manufacturers Record:

I have been looking for the race issue to break out in Virginia, but so far the Democratic press has been entirely silent on the subject of our "Colored Friend and Brother," and I presume the Republicans are not going to inject the issue, unless the Democrats bring it out.

I understand the colored vote here in Virginia, will this year be split between two parties—in fact, I am informed that the negro likes the Democrats better than the Republicans this year because a certain element of them are anxious to have whiskey back. For that reason I hardly expect to see the race issue injected openly in the campaign, but it will be whispered around of course, because it has been the one big means for 50 years, of keeping the South solid.

According to newspaper reports, at a convention of colored voters held in Newport News, a resolution endorsing Mr. Hoover was heavily voted down, and the convention went on record as favoring no candidate for President.

I certainly hope the Republicans are not treating the situation here lightly, because if the election was held today, I honestly think they would take the state. They should not remain indifferent and allow the tide to set in the other direction, they should at least issue literature setting out Mr. Hoover's public record.

JAMES F. RYLAND.

President Coolidge Was Praising the South's Progress, But We Never Knew Him to Suggest How Southern People Should Vote.

Keyser, W. Va., Sept. 6.

Editor Manufacturers Record:

In the RECORD of August 23, 1928, you have an editorial, "The Day of Sectionalism Is Passed"—President Coolidge. In this editorial you give the people of the South a liberal and unjust criticism, when compared with the political status and conduct of President Coolidge, and the section of our country from which he comes. Doubtless President Coolidge never voted for a Democrat in his life, and would be ashamed to be guilty of doing so, yet he attempts to tell the people of the South how they should vote. Don't do as I do, but do as I tell you.

With one breath you condemn the solid South, and with the next breath you commend the solid New England vote for the Republican party. That is splendid statesmanship. Born of a real spirit of high public service. Why is it you do not assail the Republicans of the North for voting the Republican ticket solidly every election? Be a four-square editor and come out with a series of editorials advising the people of Maine, Vermont, New Hampshire, and Massachusetts to become good citizens and show their liberal political thoughts and desires by voting the Democratic ticket.

You no doubt take pride in the fact that the New England States can be depended upon to give a large majority for any man that is on the Republican ticket, and if this is right then what is wrong with the people of the South doing likewise?

If the people of the South exhibited 10 per cent of the political prejudice that is shown by the Republicans of the New England States, and the Union League of Philadelphia, the Republican party would not get any votes in the Southern States.

WM. MACDONALD.

Would Give Encouragement to Men Like Simmons, McCormick and Others.

Lehman Johnson, Ph. B.,
Consulting Cotton Seed Specialist.
Memphis, Tenn., September 1.

Editor Manufacturers Record:

I think you are right in believing there is no question before the American people which concerns so deeply their peace, prosperity and happiness—sought for them by our forefathers—as well as their efficiency and their safety (which we must in this mechanical age add to the three other objects as the duty of a statesman to secure) than the disuse altogether of alcohol as a beverage by as many of our people as possible at the earliest possible date.

I am delighted that a journal of so much force and influence is devoting its columns freely to this cause. You could not be engaged in a better one. I am convinced that Governor Smith is advocating an ethical and economic heresy in suggesting the continued use of alcohol as a beverage by our people in whatever quantity or of whatever strength, exactly as I believe Bryan advocated a financial heresy. And Democrat as I am by sincere conviction, I refused reluctantly to vote for Bryan until he had given up his heresy, and I shall treat Governor Smith the same way.

Do not be satisfied with showing the inconsistency of Josephus Daniels' position as you can easily do.

I have just written a letter of cordial approval and encouragement to Senator Simmons, copy of which I enclose.

Let us give our encouragement and support to men like him and to Vance McCormick who like Jim Bludsoe have "seen their duty and done it" in speaking out so emphatically against this new and uncalled for national Democratic heresy and its proponent.

LEHMAN JOHNSON.

Thinking Men Are Not Going to Be Coerced by Party Leaders.

The McIlwain Memorial Presbyterian Church.
Pensacola, Fla., August 28.

Editor Manufacturers Record:

I want to add a word of commendation to you for your stand against Al Smith. The broad-minded policy you have always had in your paper has never been more telling than at present. You are doing great good by your editorials. There are far more Hoover Democrats in the South than the leaders of either party realize. Few independent thinking men are going to be coerced by party leaders and newspaper editors into voting against their principles and convictions.

E. S. CAMPBELL, Minister.

The Democratic Party Splitting the Solid South.

Pickens Railroad Company.
Pickens, S. C., August 27.

Editor Manufacturers Record:

I read every issue of your publication from start to finish. In my judgment the MANUFACTURERS RECORD is one of the greatest exponents of information the South has ever had.

Allow me to congratulate you on your great stand against the present nominee of the Democratic party. I believe the attitude of the party will do more to split the Solid South than anything else.

J. T. TAYLOR, General Manager.

Floridians Turning to Hoover.

New Port Richey, Fla., September 1.

Editor Manufacturers Record:

While New Port Richey occupies but a small place on the map, it may interest you to know that the Hoover sentiment is growing rapidly and I believe that 75 per cent of our vote will be cast for the Republican candidate.

There are now 12 papers in the State of Florida who are for Hoover and we expect one of the large St. Petersburg dailies to announce soon that it is for him.

WARREN E. BURNS.

Thinks Democratic Party Has Ceased to Be Democratic.

Blackstone, Va., August 31.

Editor Manufacturers Record:

I have greatly enjoyed the strong, sane articles from your pen in the Religious Herald. It seems to me that this is a time when all people who stand for the best interests of the country should be united in a vigorous effort to combat this tide of rum.

I have never voted a Republican ticket, and since my boyhood have used my small influence on the side of Prohibition, but now feel that the Democratic party has ceased to be democratic.

H. H. SEAY.

This Subscriber Grows Sarcastic—But It Is Hardly Necessary to Say That the Editor of This Paper Is Southern in Every Fiber of His Being, But He Is an Independent in Politics, Not Hog-tied to Any Party.

Charlotte, N. C., September 6.

Editor Manufacturers Record:

I have just renewed my subscription to your paper or journal (whatever you call it). If you continue to print the same class of "stuff" as you have on the front of your issue of September 6, we will have to call your publication a "yellow journal."

It is deplorable for an editor of a Southern publication to be a Republican, but when, in addition to that, he "cusses" all of the Democratic political leaders and accuses them of trying to keep outside capital from coming into the South, such is adding insult to injury. Instead of heading your article "I Am an American"—Patrick Henry, why not head it "I Am a Traitor"—Benedict Arnold.

If you can point out a single instance, calling names and places, where a Southern politician has kept a single industry from coming into the South I will retract these statements. If you fail to cite such instance I think you should do the same.

Do not try to answer this letter with a sarcastic remark. You are supposed to publish a trade journal not a yellow sheet like some of the other publishers who are opposed to Smith and the Democrats. If you are capable give me an intelligent answer.

How's this for sarcasm! I am a red hot Southerner, Democrat and American. Are you?

C. B. FETNER.

Dr. Newell Dwight Hillis too High in His Commendation.

Bronxville, N. Y., September 3.

Editor Manufacturers Record:

I have just finished the article in the New York Herald Tribune on "Edmonds Sees Hoover Best for the Needs of the South." I always read with intense interest everything I can find that comes from your pen, but particularly now that you seem to speak with authority for the newly awakened South that seems to carry such weight of influence. My old friend, Dr. Mitchell, and Col. Musgrave of Jasper, Ala., have for several years kept me informed in regard to the coal interests of the South and, on the moral side, the development of the sentiment for Prohibition. Long ago, however, I began to realize your editorials in the MANUFACTURERS RECORD represented the *final* authority. My wife is most deeply interested in your article of a week ago, as am I. We want to congratulate you upon the splendid work you are doing.

The *leaders* of thought in the North, the West and the South, have come to look upon you as their representative. I have been much interested to see how widely your editorials and your views in the RECORD are followed one and two weeks later, i. e., appear in the influential dailies. Mr. Hoover is fulfilling all your prophecies for him. His influence in developing our waterways in the South and central West should be increasingly potent.

NEWELL DWIGHT HILLIS.

IRON, STEEL AND METAL MARKET

Steel Mill Activity Continues Increase.

Pittsburgh, September 24—[Special.]—The rate of steel mill operation has been gaining slightly in the last week or two, making it rather probable that the month as a whole will show a gain in steel production over August. Ingot production was at 76 per cent in June, 81 per cent in July and 82 per cent in August, while it may now be forecast at above 82 per cent for September, but presumably under 85 per cent.

As to the next couple of months, the main question now is how much extra or anticipatory business was driven in lately by the declared intention of mills long ago to advance prices for fourth quarter in a number of finished steel products, representing in the neighborhood of half the total production. Generally September 10 was fixed as the final date for specifying against third quarter contracts and for placing current orders at old prices, but in some lines at least there was a leeway. By a corresponding amount, buying for several weeks would be reduced. It is too early to measure the matter. A little decrease in bookings is reported recently.

None of the announced price advances has fully succeeded. Various references in some quarters to advances having failed or partially failed do not properly represent the situation for there can be no doubt that mills did not really expect to obtain all they asked. They were aiming high. Bars, shapes and plates were commonly 1.85c, Pittsburgh, for third quarter, but there have been deliveries on older business at still less. Now it appears moderate sized buyers have been able to cover at 1.90c instead of the announced 2.00c. In hot rolled strips the advance practically failed, as to buyers who cover for the quarter, but the market is firmer on current sales of small lots. In cold rolled strips the producers have secured advanced prices, by about \$2 a ton. In sheets the mills have obligated themselves for a large part of the fourth quarter tonnage at old prices, but they are obtaining advances on some business.

In rails, pipe, wire products and tin plate there is no change. There are chances of there being a lower price on tin plate for the first half of the new year but if there is a reduction it would merely be in recognition of lower cost of pig tin. Continuance of the present \$5.25 tin plate price would in essence represent an advance, as to mill realization.

Fabricated structural steel lettings in August made a new high record for any month, being reported by the Department of Commerce at 356,250 net tons. The eight-month total represents 11 per cent gain over last year. Lettings unofficially reported last week totaled 49,000 tons, a heavy week.

Automobile production continues very heavy, at but little below the August rate, which was record high for any month this year and record high for any August. Regularly in the past production has decreased rather sharply month by month after August while this year little decrease is expected before the end of October. Automobile production is considered by way of the number of cars and trucks produced. The average weight runs much higher than in 1926, the record year in point of number. This year the number will make a new record by 5 to 10 per cent, but the tonnage of steel consumed will represent a considerably greater increase. The proportion of all steel going into automobile and truck production has never previously run as high as 15 per cent, according to the most trustworthy findings, but this year the proportion must be decidedly above 15 per cent.

Agricultural implement production is increasing somewhat, with the season. Railroad buying promises to remain light as it has been for a long time, but seasonal rail buying is beginning, and a little tonnage has been placed even for this year's delivery.

Metals Active As Prices Advance.

New York, September 24—[Special.]—Apparently the more the metal producers advance prices, the more the consumers like those metals these days. Export business in copper has been brisker since the price was raised to 15½c per pound c. i. f. European ports. Lead took on fresh life after the quotation was raised \$2 per ton, to 6.50c per pound, New York. There is no doubt that the metals business is booming. Some of the stronger metals have been lending strength sympathetically to some of the less active. In the case of zinc, for instance, consumers have been buying farther into the future on the possibility that zinc will be advanced along with other metals. Tin is steady and firm at the high price of the swings of recent months.

One reason for the current optimism is that fall business is coming into the view of the business world. New records continue to be made in the steel industry, happenings in which always have some bearing on non-ferrous metals.

There is but one outstanding disappointment in business related to metals, this being the canning industry. The packs of the three major vegetable crops, corn, beans and tomatoes, are below predictions because of cold and rainy weather. This will mean a less consumption of tin than expected. The corn pack will be 15,000,000 cases instead of 20,000,000, predicted. The bean crop was so small that canners are not able to fill orders completely. Tomatoes are so scarce that the price has already been advanced 15c per dozen cans.

The price of copper at 15c per pound in the domestic market is the highest since January, 1925. The feature of the past week was the getting away from the set prices which have characterized the market this year to date. Thus while the official price was 15c some large sales were made at 15½c to consumption points of ordinary freight rates. The selling pace is even more rapid than in May and June. Sales for export averaged 12,000,000 pounds daily which is double the average for a normal buying movement. The rise in copper price a week ago awoke foreign users from their lethargy and for the first time this year they are showing concern about their future needs. Meanwhile 80 per cent of the November production is already sold out.

Lead has again been second to copper in volume of sales. The rise of prices on Monday was a surprise to many. Many lead producers reported no increase in activity from the last days of the preceding week, though the American Smelting & Refining Co., who started the advance, did meet with a rush of orders. The rise was partly attributed to the strength of copper and cheerful feeling generally among the metals. Producers in the Middle West advanced first to 6.30c and then to 6.35c per pound, East St. Louis. Purchasing has been brisk on the part of all lines of lead consumption.

A meeting of representative lead producers of the world was held at London during the week, though the United States was not officially represented. It was decided to compile world statistics and to take steps to curtail production when necessary, though at present it was felt that consumption equals output.

Sentiment in zinc has been oscillating rapidly and just now optimism prevails chiefly because ore producers have taken definite steps to curtail output. The price is steady meanwhile at 6.25c per pound, East St. Louis. Consumers are buying into December, which is the most interest they have shown in the future for some time.

The tin market has been quiet and steady. Various conflicting factors are well balanced and the market is as stable as it ever gets. Sales were 150 tons daily last week as against a normal turnover of 250 tons.

Believe Pig Iron Price to Advance Again.

Birmingham, Ala., September 24—[Special.]—Steady delivery of pig iron bespeaks a firm market with the price-base being adhered to firmly, \$16.25 per ton, No. 2 foundry. Reports from other centers to the effect that another advance in price had taken place had encouraging effect and intimation was given that a second advance here was probable, either 50 cents or even \$1 per ton. Sales have been in the main in small lots, though a number of orders for 1000 and more tons at a time have been booked and delivery will take place during the fourth quarter. The bookings cover fairly well the probable make of the approaching month and will go into November.

Furnace interests asserted at the time the \$16.25 per ton base was adopted that there had been no iron sold for delivery during the last three months of the year at the old price, \$15.50, No. 2 foundry, which means that all iron to be delivered from the end of this month will carry the higher price, while much of the iron moving now has also had the 75 cents increase. There has been easing off in production with a few shops but the melt on the whole is holding steady. Cast iron pressure pipe manufacturing is very active with shipments equal to production and no accumulation of stock. Stove makers are going well. Other melters of foundry iron appear to be well supplied with business.

Steel fabricating shops are receiving numerous contracts in tonnages of from 50 to several hundred tons each. The Ingalls Iron Works Co. has another order for an aeroplane hangar for the Pan American Airway Corporation, 100 tons of steel to be used, and a station will be erected for the same concern, to require 100 tons of steel. The Ingalls company has contract for 300 tons of structural building for the Du Pont Old Hickory rayon plant at Nashville, the plant being for carbon bi-sulphide. Another 100 tons of steel, but in special shapes, is to be delivered quickly to the Gulf States Paper Corporation, the Ingalls works having fabricated 2300 tons for the main building and 600 tons for a power plant and 100 tons of special shapes. The erection of the steel structure at the Tuscaloosa paper mill is being rushed as the plans call for operation early in December. The Ingalls works took an order week before last from Swift & Co., for oil storage tanks, three large tanks in all, for delivery to and erection at Moultrie, Ga., 63 tons of steel being used. The job carried a bonus in erection and the amount proved profitable.

Several large specifications in steel are under consideration, including several thousand tons of foreign work. The sheet mill of the Tennessee Coal, Iron & Railroad Company is working on three shifts every 24 hours; there is a good demand for plate and structural steel while the lighter shapes are enjoying a fairly good patronage. The Gulf States Steel Company has four of its six open hearth furnaces in operation and the greater portion of its steel mill at Gadsden going.

The coal market is quiet with the majority of coal mines working less than half time. The coke market is showing a slight improvement. Foundry coke base price is still given at \$5. Scrap iron and steel is unchanged.

Quotations for pig iron and iron and steel scrap follow:

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.25; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.75; iron of 2.75 to 3.25 per cent silicon, \$17.25; iron of 3.25 to 3.75 per cent silicon, \$17.75; charcoal iron, f. o. b. furnace, \$28.00.

OLD MATERIAL

Old steel axles.....	\$16.00 to \$17.00
Old iron axles.....	16.00 to 17.00
Old steel rails.....	10.50 to 11.00
Heavy melting steel.....	10.00 to 10.75
No. 1 cast.....	13.00 to 13.50
Stove plate.....	12.00 to 12.50
No. 1 R. R. wrought.....	9.50 to 10.50
Old car wheels.....	12.00 to 12.50
Old tramcar wheels.....	12.50 to 13.00
Machine shop turnings.....	8.00 to 9.00
Cast-iron borings.....	8.00 to 9.00
Cast-iron borings, (Chem.).....	13.00 to 13.50

TEXTILE

Firms Estimating on Georgia Textile Mill.

Commerce, Ga.—Contractors estimating on the new mill building to be erected by the Commerce National Manufacturing Company and for which bids are to be opened October 2 include: Sam N. Hodges and Company, Norwood Griffin Company, Converse-Myers Company, Inc., Wm. P. Francis and the Smith and Williams Company, Inc., all of Atlanta; H. B. Nelson Construction Company, L. E. Palmer and the Claussen-Lawrence Construction Company, all of Augusta, Ga.; LaGrange Lumber and Supply Company, LaGrange, Ga.; Batson-Cook Company, Inc., West Point, Ga., and A. C. Samford, Montgomery, Ala. Plans by Scroggs and Ewing, of Augusta, call for a 2-story and basement building, 146 by 112 feet, of reinforced concrete construction, with brick walls, structural steel and cast iron columns.

Southern Activities of Welwood Corporation.

The John C. Welwood Corporation, of New York City, said to be the largest manufacturer of ribbons in the United States, plans the immediate construction of a silk mill at Sparta, Tenn. This company operates some 23 plants in the East for the production of broad silks and ribbons and is said to have been particularly impressed by the advantages of the Southeast as a location for the manufacture of silk fabrics of all kinds. The Sparta plant will house about 170 looms initially for broad silks, but has been designed for expansion. The company is revamping a building at McMinnville, Tenn., and installing a silk throwing plant, and is also considering the construction of three or four additional plants in other Tennessee communities. Robert & Company, Inc., of Atlanta, Ga., is handling the engineering on these developments.

40 Dwellings for Knitting Mill Operatives.

Athens, Ala.—A contract has been awarded to the Athens Lumber Company to erect 20 dwellings for operatives of the Volunteer Knitting Mills and to the J. W. Chambers Lumber Company, Athens, to build a like number. They will be paid for by a company of local men who have agreed to aid the mill in its plans for constructing extensions that will double its capacity. The mill will act as renting agents for the Athens citizens, guaranteeing a good return on the investment for five years. It has an option to purchase the dwellings at the expiration of that period. L. C. Hightower is president of the building corporation.

Hosiery Mill Planned for Stevenson, Ala.

Stevenson, Ala.—G. H. Caperton, W. R. Bogart, E. K. Mann and others of Stevenson, and C. E. Spivey and H. G. Jacobs of Scottsboro, Ala., have organized a company with \$50,000 capital stock to erect and operate a hosiery mill here. The mill building will be one story, brick, 120 by 120 feet, with such additional buildings as may be necessary. Excavation has begun and construction is expected to be completed by December 1. E. O. Mann will be the general manager of the plant, which will employ about 250 operatives when in full operation.

Forsyth Hosiery Mill Changes Hands.

Forsyth, Ga.—Robert T. Persons, president of the Farmers Bank, of this city, and Judge Ogden Persons, his brother, have purchased the Forsyth Hosiery Mill and will operate it under the supervision of J. T. Hill. The purchasers also own the Forsyth Cotton Mill.

GOOD ROADS AND STREETS

IMPROVED ROADS IN MISSOURI PAY BIG DIVIDENDS.

Citizens Will Vote Soon on \$75,000,000 Additional Bonds to Finance New Construction.

By E. E. DUFFY.

The high cost of neglecting to build roads is forcibly pointed out in Missouri's annual highway commission report. In 1920, during the height of the bad roads era in that State, the limited mileage of improved highways saved the motorist only 97 cents yearly on the average. In 1927, after the completion of a good portion of Missouri's road program, the saving per vehicle owner through lowered automobile operating costs was \$74.59, or more than \$50,000,000 to all motorists.

But the story gets more interesting when it is related that in 1920 the Missouri motorist was paying \$7.11 in motor vehicle taxes with a small comparative return, while in 1927, with gas and vehicle taxes averaging \$21.29, the return, because of improved highways was 3½ times. By spending more money on a really comprehensive and all-embracing road system Missouri accomplished a tangible road saving.

The motor-car owning public in Missouri through the passage of a \$60,000,000 bond issue which speeded up the highway program three years, has been saved \$100,000,000 in that period, states the report. That is to say, if the roads had been neglected for those three years the extra travel cost would have amounted to that enormous figure. This is difficult to realize since motor operating expenses are taken for granted by the average driver. Yet Missourians, and others, may still recall those days when sturdily built automobiles racked themselves to pieces in one or two seasons, and gasoline had only a dozen or so miles a gallon in it at best.

Consequently Missouri has an appreciable mileage of improved roads including 1500 miles of concrete, and has increased the actual wealth of the State by an enormous but unknown degree, for it is impossible to place an accurate value on travel comfort, trade stimulation, and the increased well being brought about by such highways. Interest payments on the bond issue have been met easily by license fees and the gas tax without recourse to tax levy. Already \$10,000,000 of the bonds have been retired with the remainder to be taken up by 1947.

Missouri is facing an odd situation right now. At the fall election the citizenry will vote on an additional highway bond issue of \$75,000,000 for further extension of good roads. The odd part of it is that the adoption of the bond issue will not increase the motor license fees, gas tax or personal property taxes one whit, while if the bond issue is rejected the taxes will remain the same, and the extended mileage of improved roads will be considerably lessened.

Taking advantage of present resources, through the bond issue medium, has enabled Missouri to replace high cost roads with high type roads.

\$400,000 Coastal Highway Bonds Sold.

Columbia, S. C.—Bonds in the amount of \$400,000 have been sold by the Coastal Highway Commissioners, Wade Stackhouse, chairman, Dillon, S. C., to the National City Company, New York, at par and premium of \$4919. This sale brings the total amount of bonds sold for the Coastal highway to \$3,900,000, leaving \$1,500,000 yet to be sold. The highway is paved and open from Kingstree, S. C., to Jacksonville, Fla., and from Dillon to New York city, while the link between Dillon and Kingstree is under construction and is expected to be opened this fall.

\$200,000 Lake Worth Bridge Contract Awarded.

Fort Worth, Tex.—City council has awarded contract at \$200,000 to L. T. Stanford, Fort Worth, for constructing a new bridge at Lake Worth. Work will begin October 1 and is expected to be completed by June 1, 1929.

Texas County to Vote on \$1,650,000 Road Bonds.

Brownwood, Tex.—An election will be held in Brown County October 1 on a road bond issue of \$1,650,000, tentative plans calling for improving approximately 300 miles. Of the total, 100 miles will be hard-surfaced trunk highways and 200 miles laterals.

North Carolina Lets Contracts for 73 Miles Roads to Cost \$1,000,000.

Raleigh, N. C.—Contracts have been awarded by the State Highway Commission for constructing approximately 73 miles of roads at a cost of more than \$1,000,000. The work will include 55.15 miles of dirt roads, 18.18 miles of hard-surfaced roads and a bridge across the Catawba River between Conover and Taylorsville.

Road District to Vote on \$1,125,000 Bonds.

Ennis, Tex.—Ellis County Commissioners, Waxahachie, have called an election for October 4 in the Ennis road district No. 16 on a bond issue of \$1,125,000 to take up \$636,000 outstanding road bonds and provide \$489,000 for constructing roads from the Palmer district line to the Navarro County line and from Reagor Springs to Trinity River. Voting boxes will be provided at Ennis, Alma, Ensign, Bardwell, Byron, Rankin, Telico, Garrett and Leland.

West Virginia Sells \$916,000 Road and Bridge Bonds.

Charleston, W. Va.—The State Sinking Fund Commission has sold \$566,000 road bonds of Town district, Raleigh County, to Braun, Bosworth and Company, Toledo, Ohio, at a premium of \$26,153. It has also sold to Braun, Bosworth and Company, associated with the Detroit and Security Trust Company, of Detroit, Mich., at a premium of \$5676, an issue of \$350,000 bridge bonds of Charleston and Loudon districts of Kanawha County.

Two States Agree to Build \$4,000,000 Bridge.

Henderson, Ky.—The highway departments of Kentucky and Indiana have entered into an agreement to build a \$4,000,000 bridge across the Ohio River between this city and Evansville, Ind. The two states will share the cost equally, Indiana to take her part of the cost out of her highway funds, while Kentucky will raise her portion by a bond issue, the bonds to be retired from tolls and the bridge to be made free after the bonds have been retired.

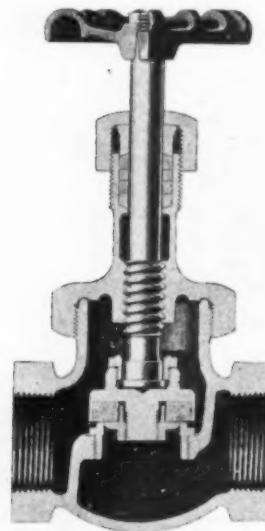
The structure will be of steel and concrete and will be more than 3 miles long, including approaches, although the bridge proper will be a little less than a mile in length. It will be maintained jointly by both states. It is understood that the Indiana Highway Commission has selected Modjeski and Masters, of Harrisburg, Pa., as consulting engineers.

Tensas Parish Police Jury, St. Joseph, La., G. H. Clinton, secretary, receives bids until October 24 for the purchase of \$200,000 5 per cent road and bridge bonds.

NEW AND IMPROVED EQUIPMENT

Bronze Valve Resilient Disc.

Jenkins Brothers, New York City, valve manufacturers, announce a new line of bronze valves with renewable resilient disc for 250 pounds steam working pressures.



FEATURES OF THE VALVE.

The disc, being more resilient than the metal, is said to conform to the seat, and to insure a tight valve without regrinding. The line includes globe, angle, cross and horizontal and angle check patterns, furnished screwed or flanged, in sizes ranging from $\frac{1}{4}$ inch to 2 inches. The globe, angle and cross patterns are furnished with renewable seat rings.

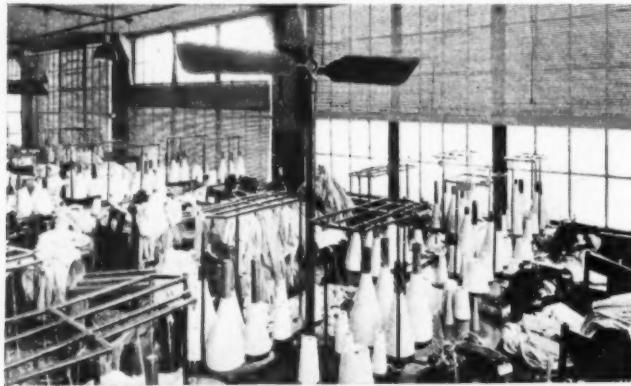
The bonnet screws over the body, and the bonnet seat joint is rounded. Other features of the globe, angle and cross patterns include:

Non-heat hand wheel of malleable iron; bronze gland to prevent leakage around the

spindle; deep stuffing box, packed with asbestos ring packing, and manganese bronze spindle.

Aluminized Shades for Factories.

A series of comparative tests by the Aeroshade Company, Waukesha, Wis., manufacturers of Aerolux industrial window shades, are said by the company to have proven that window shades with an aluminized finish keep interiors cool. Aluminum is known as a heat reflecting surface, so the aluminized finish is said to prevent the absorption and radiation of the sun's heat through the rooms of a factory and the tests to have shown that the aluminized finish reflects



"AEROLUX" SHADE INSTALLATION IN A HOISIERY MILL.

90 per cent of the sun's heat rays back through the window. The sunlight passing through the openings in the slits of the shade is diffused into soft, clear light and the splint construction permits free ventilation the entire length of the shade, says the company. The same tests indicate that the aluminized finish assures a temperature from 10° to 15° cooler, and as much as 20° difference has been noted, even with the sun beaming directly on the windows.

Another advantage claimed for these shades is that they

admit more light to the room, as high as 70 per cent in some cases. The aluminized finish is also described as unusually durable and waterproof, so the shades can be washed when necessary. They are guaranteed for 10 years.

Of particular interest to the textile industry is the claim that with the aluminized finish the color of light which enters the room is not changed and this advantage is of value to any manufacturing operation requiring a minimum of changing light values.

Among the manufacturers which have adopted Aerolux Industrial Shades as standard equipment in their factories, the company lists the following: Ford Motor Co., International Harvester, Beechnut, Wrigley, Liggett & Myers Tobacco Co., U. S. Rubber Co., Piqua Hosiery Mills, Eagle Knitting Mills, Esmond Blankets, General Electric, Karpen Furniture, Westinghouse, and others.

"Victor" Gasoline Shovel Announced.

The Osgood Company, Marion, Ohio, manufacturers of power excavating machinery, announce a gasoline shovel, companion to the Conqueror; it will be known as the Victor. The new product is a larger machine and is designed for greater capacity and heavier work than the Conqueror; for



THE OSGOOD HEAVY-DUTY "VICTOR."

shovel service it will carry a 22 or 24 foot boom, a 15 or 16 foot handle and a $1\frac{1}{2}$ yard or $1\frac{1}{4}$ yard dipper, depending on conditions.

For crane or dragline service a structural lattice bow type boom with built-in tagline and with a fairlead for dragline service that is self-adjusting to any angle of the boom is furnished. A 45 foot boom with $1\frac{1}{4}$ yard bucket or a 50 foot boom with 1 yard bucket may be used. The Osgood servo mechanism for setting the clutches on the hoisting and pull-back drums and the Osgood application of the wire rope crowd are retained in the new product. The Victor is mounted on a truck of new and improved design, with a travel speed of approximately seven-tenths miles per hour, and it will negotiate grades up to 30 per cent over all kinds of material, ranging from rock to mud. There is ample deck space around the machinery and the motor and the operator has a full view of his work and complete control of the machine without leaving his seat.

The City of San Antonio, Texas, Mayor C. M. Chambers, is having preliminary sketches made by Herbert S. Green, San Antonio, for a library building on Market street, of steel, stone and stucco construction.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Fla., Miami—Ingalls Iron Works Co., Birmingham, Ala., has contract for 100 tons of steel for airplane hangar for Pan American Airway Corp. 9-20

Ga., Canton—City plans \$100,000 bond issue for airport.

La., Ferriday—Chamber of Commerce interested in establishing airport.

Okla., Dawson—Allen Electric Co. has contract at \$15,000 for installing complete lighting system for new municipal airport.

Tenn., Chattanooga—City plans voting on bonds for airport. See Financial News.

Tex., Amarillo—City Comm. soon call for bids for 75-gal. per minute water well and sheep fence to surround 480-acre municipal airport.

Tex., La Feria—City, L. H. Beddoes, Mayor, contemplates establishing airport.

Va., Danville—Chamber of Commerce approved establishing airport; will have two 500-ft. runways in "L" shape.

Va., Hampton—Dixie Aircraft Corp., R. S. Skinner, Pres., Lynchburg, acquired 65-acre tract near Hampton for erecting airplane assembly plant and airport, expending \$60,000 including hangar and service station.

Bridges, Culverts and Viaducts

Proposed Construction

Ala., Birmingham—City Comm., Eunice Hewes, City Clk., considering \$7000 underpass on South Twenty-first St., between South Highland School and Magnolia Park.

Ala., Birmingham—Jefferson County Bd. of Revenue plans widening Hueytown Road underpass, 16 to 26 ft.; Claude J. Rogers, County Engr.

Ala., Gainesville—War Dept., Washington, approved plans State Bridge Corp., Montgomery, for bridge across Tombigbee River near Gainesville, and across same river near Jackson. 6-7

Ala., Mobile—War Dept., Washington, approved plans Mobile County Road Comm., for bridge across Chickasaw Creek, near Mobile.

Fla., Melbourne—City Comm. plans bridge approaches to Crane Creek bridge, on Dixie Highway, between New Haven and Potter Ave.; includes pavement with sidewalks and curbs, retaining walls or bulkheads along approaches, drainage, etc. See Financial News.

Fla., Sarasota—Sarasota County Comm. receives bids Oct. 15 for 218-ft. swing draw and trestle bridge over Little Sarasota Bay near Nokomis, \$7500; Norman G. Corson, Constr. Engr. 8-30

Fla., Sarasota—War Dept., Washington, approved plans City of Sarasota for bridge across Hanson Bayou. 8-16

Kentucky—State Highway Comm., Frankfort, completed surveys for bridges across Cumberland River, Smithland, and across Tennessee River at Clarks River Ferry; will let contracts in 60 to 90 days.

Ky., Carrollton—H. R. Creal, Bridge Engr., and J. S. Watkins, Highway Engr., both of State Highway Dept., Frankfort, completed survey for bridge over Ohio River, at Carrollton, touching Indiana shore, near Lamb, Ky. 9-13

Ky., Henderson—Gov. Flem D. Sampson, Frankfort, Ky., announces agreement has been reached between Highway Dept. of Kentucky, Frankfort, and Highway Dept. of Indiana, Indianapolis, for \$4,000,000 steel and concrete bridge across Ohio River, between Henderson, Ky., and Evansville, Ind.; structure and approaches will be over 3 mi. long; bridge proper, less than 1 mi.; Indiana

Highway Dept. announces Modjeski & Masters, as Consnl. Engrs., Harrisburg, Pa., and New York; await approval of War Dept. 9-20

La., Covington—Louisiana Highway Comm., Baton Rouge, received low bid from B. N. Davis, 1006 Tchoupitoulas St., New Orleans, \$10,196, for Salt Bayou Bridge, Old Spanish Trail, on New Orleans-Mississippi Highway, St. Tammany Parish. 8-30

La., Merryville—Louisiana Highway Comm., Baton Rouge, Texas State Highway Dept., Austin, and Federal Bureau of Roads, approved plans for Sabine River Bridge, about 1 mi. north of Merryville, Beauregard Parish; awaiting approval of War Dept. 5-17, under DeRidder, La.

La., New Orleans—Louisiana Highway Comm., Baton Rouge, receives bids Oct. 9 for 480-ft. creosoted timber, south bulkhead for R. golets Bridge, Chef Menteur Highway, Orleans Parish; 51,000 F.B.M. creosoted lumber, 3300 lin. ft. creosoted piling; J. M. Fourmy, State Highway Engr.

La., New Roads—Louisiana Highway Comm., Baton Rouge, receives bids Oct. 16 for 16 conc. culverts on Livonia-Lottie Highway, Pointe Coupee Parish; J. M. Fourmy, State Highway Engr.

Maryland—State Roads Comm. received low bids for 4 bridges. See Roads, Streets, Paving.

Maryland—State Roads Comm., Baltimore, receives bids Oct. 2 for 3 bridges: Prince George's County—double span rein. conc. girder bridge, each span 34 ft. 9 in., on proposed Rhode Island road over Northwest Branch, Anacostia River, Cont. P-87; single 35-ft. clear span rein. conc. arch bridge over Timote Creek on Southern Maryland Blvd., between T. B. and Waldorf, Cont. P-88; Charles County—single 45-ft. clear span rein. conc. arch bridge over Mattawoman Creek, Southern Maryland Blvd., T. B. to Waldorf, Cont. Ch-51; John N. Mackall, Chmn.

Md., Baltimore—See Roads, Streets, Paving.

Md., Baltimore—City, Wm. F. Broening, Mayor, approved plans for construction of depressed underpass, north of Eastern Ave., and elimination of Pennsylvania R. R. Co.'s Eastern Ave. grade crossing at Ninth and Eleventh St.; estimated cost \$1,204,440; Chas. F. Goob, Ch. Engr., submitted plans. 9-20

Miss., Hattiesburg—City plans expending \$20,000 for 2 conc. bridges on River Ave. and McLeod St.; replace wooden spans. See Financial News. 9-6

Mo., Athens—Missouri-Iowa Bridge Co., organized to build bridge across Des Moines River, connecting Athens, Mo., and Croton, Iowa; Robert W. Curtis, Engr., Lynchburg, Va.

Mo., Joplin—City, O. P. Mahoney, Commr. of Streets, receives bids Oct. 9 for Pennsylvania Ave. viaduct, over Frisco tracks. 5-24

Mo., St. Louis—City, Bd. of Public Service, receives bids Oct. 9 for timber deck and railroad tracks for Southern Approach to St. Louis Municipal Bridge.

Tenn., Celina—War Dept., Washington, approved modified plans, Dept. of Highways and Public Works, Nashville, for Cumberland River Bridge on Lafayette-Celina road. Clay County: substitute two 142-ft. bank spans for each 182-ft. bank approach spans. 8-23

Tenn., Chattanooga—City Comm. plans viaduct over railroad tracks at Tenth St. and Central Ave.; W. H. Wilson, Engr., preparing plans.

Tenn., Sneedville—War Dept., Washington, approved plans Dept. of Highways and Public Works, Nashville, for bridge across Clinch River, near Sneedville. 8-9

Texas—State Highway Comm., Austin, plans 3 bridges: Liberty County—across Trinity River; Hardin County—on Highway No. 40; across Nueces River, on Cherokee-Anderson County line; C. G. Wickline, State Highway Dept. Bridge Engr.

Tex., Edna—See Roads, Streets, Paving.

Tex., Karnes City—State Highway Comm., Austin, plans 1600-ft. bridge and approaches across San Antonio River, Highway 16, Karnes County; E. L. Marek, Res. Engr.

Tex., Memphis—State and Federal Bureau of Public Roads, approved plans of Hall County for Red River Bridge between Memphis and Estelline; A. C. Hoffman, County Engr.

Tex., San Antonio—City, C. M. Chambers, Mayor, receives bids Oct. 7 for 32-ft. rein. conc. Ninth St. Bridge across San Antonio River, \$25,000 to \$26,000; I. Ewig, City Engr.

Va., Courtland—War Dept., Washington, approved plans State Highway Comm., Richmond, for bridge across Nottoway River, Courtland. 7-12

W. Va., Mannington—City, C. C. Coffman, Engr., plans conc. approaches to new bridges at Ballou property, Clarksburg St. to Pyles Fork St. bridge, and Market St. approaches to Buffalo Creek Bridge; plans widening and repairing streets.

Contracts Awarded

Ark., Waldron—State Highway Comm., Little Rock, let contract to Williamson & Williams, Batesville, for 9 conc. bridges and 7000 ft. earth embankment, Scott County.

Mo., Courtney—Union Bridge and Construction Co., awarded contract for toll bridge across Missouri River, by Centennial Co., corporation formed a year ago by E. M. Elliott, and Associates, Inc., 360 N. Michigan Bldg., Chicago, Ill.; estimated cost \$400,000 to \$1,000,000.

Mo., Mexico—American Bridge Co., 506 Olive St., St. Louis, Mo., has contract for viaduct over Chicago & Alton, and Wabash railways, on U. S. Highway 54.

Tenn., Memphis—Memphis and Arkansas Bridge and Terminal Co., W. S. Martin, Pres., let contract to American Bridge Co., 208 S. LaSalle St., Chicago, Ill., to rebuild Harahan Bridge over Mississippi River, recently damaged by fire; 800 tons of steel.

Texas—State Highway Comm. let contracts for bridges, underpass and 2 culverts. See Roads, Streets, Paving.

Tex., Beeville—State Highway Comm., Austin, let contract to Houston Surfacing Co., 3840 Polk St., Houston, \$20,546, for 15 rein. conc. culverts, Highway 16, Bee County, between Karnes County line and San Patricio County line.

Tex., Rusk—Lateral Road Committee of Jacksonville Road Dist., and Cherokee County Commrs., let contract to Western Metal Manufacturing Co., 3300 Maury St., Houston, for about 100 corrugated iron culverts; work will start at once on 15 lateral highway outlets.

Canning and Packing Plants

Tenn., Chattanooga—J. J. Haldeman, Marble Arcade, and C. C. Boyd, both Lakeland, Fla., interested in establishing plant for cleaning, grading, polishing and packing citrus fruits; company has about 200 acres in tangerines, oranges and grapefruit in Florida; fruit will be shipped in bulk cars to plant here; leased building S. E. corner Market and King Sts.; initial capacity 3 cars daily.

Clayworking Plants

Fla., Tampa—Nu-Tex Brick Co., Chestnut St. and N. Rome Ave., will increase capacity of plant from 35,000 brick to 100,000 brick daily by erection of addition to manufacture common brick; cost \$40,000; acquired machinery from plant at Kelsey City north of Palm Beach, will dismantle and ship machinery here.

Miss., Brookhaven—Brookhaven Pressed Brick and Mfg. Co., reported, let contract to Harrop Ceramic Service Co., Columbus, Ohio, for installing car tunnel kiln; 376 ft. long. 9-6

Okla., Ada—W. H. Ebery interested in development of clay deposits and erection of pottery plant.

Coal Mines and Coke Ovens

Mo., Kirkwood—Phelan & Davison Coal Co., capital \$20,000, incorporated; Dennis Phelan, 132 E. Monroe Ave.

Mo., St. Louis—Morrisey Coal Products Co., George A. Morrisey, V.-Pres., acquired site at 22nd and Broadway; erecting 75-ton distillation plant for manufacture of coke and other by-products; 53x20 ft., corrugated iron and steel.

N. C., Asheville—Blue Ridge Coal Co., capital \$20,000, incorporated; C. L. and C. A. Davis.

Tex., Hot Wells—Eagle Mountain Coal and Coke Co., capital \$50,000, incorporated; W. W. Fisher, J. H. Atwater.

Cotton Compresses and Gins

Tex., Floydada—Texas Warehouse and Compress Co., G. H. Shriber, Mgr., Plainview, plans erecting cotton compress at Quitaque and Floydada.

Cottonseed-Oil Mills

Tex., Jacksonville—Chamber of Commerce, C. K. DeBusk, Mgr., interested in cottonseed oil mill.

Drainage, Dredging and Irrigation

Florida—War Dept., Washington, D. C., authorized dredging approximately 105,900 cu. yd. in Anclote River; Dist. Engr., Jacksonville, has charge of project; will call for bids soon.

Maryland—War Dept., U. S. Engr. Office, 300 Custom House, Baltimore, has low bid from C. Walker Hodges Dredging Co., New Bern, N. C., for dredging in Crisfield and Cambridge Harbor. 8-16

Md., Baltimore—U. S. Engr. Office, 300 Custom House, receives bds Oct. 24 for dredging in harbor and channel. See Want Section—Bids Asked.

Miss., Lula—State Bd. of Health, N. H. Rector, Sanitary Engr., plans constructing 3 mile canal supply drainage for town.

North Carolina—U. S. Engr. Office, Norfolk, Va., receives bids Oct. 18 for dredging in Pamlico River-Bay River section of Inland Waterway from Norfolk, Va., to Beaufort Inlet, N. C., in Beaufort and Pamlico Counties. See Want Section—Bids Asked.

North Carolina—U. S. Engr. Office, Wilmington, receives bids Oct. 22 for dredging in Neuse and Trent Rivers. See Want Section—Bids Asked.

Texas—War Dept., U. S. Engineer Office, Vicksburg Dist., P. O. Bldg., Vicksburg, Miss., John C. H. Lee, Major, Corps of Engr., Dist. Engr., will have survey made of lower 50 miles of Pease River and valley to determine if possibilities for reservoirs, flood control and irrigation works are such as to justify thorough survey; U. S. Geological Survey has just completed 2 quadrangle surveys covering Pease River and adjacent country. 9-13

Tex., Houston—Milo P. Fox, Dist. Engr., Galveston, will call for bids about Oct. 17 for deepening and widening shallow draft channel between Turning Basin and foot of Main St.

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Brewton—City voted to sell power plant to Alabama Power Co., Birmingham. 8-23

Ala., Mobile—City plans opening bids latter part of Oct. for \$200,000 white way street lighting system. 9-13

Ark., Stuttgart—Phoenix Construction Co. has general contract for distribution plant repairs and rebuilding for Arkansas Power and Light Co., Little Rock, cost \$10,000.

Ky., Owensboro—Carter Road Electric Line Co., incorporated; James C. Ellis, E. B. Anderson; establish electric transmission line.

Mississippi—Mississippi Power Co., Gulfport, acquired properties of Inland Utilities Co., 1310 Liberty St., Kansas City, Mo., furnishing light and power in 19 cities and towns, including Union, Newton, Lake, Lawrence, Walnut Grove, Penn, Artesia, Calhoun City, Echu, Blue Mountain; power plants at Newton, Macon, Eupora and Fulton, and 210 miles of transmission line.

N. C., Catawba—Balls Creek Light and Power Co., J. Mackey, Pres., construct 8 miles 3 phase power and light line; Piedmont Electric Co., Piedmont Bldg., Asheville, Contr. See Want Section—Machinery and Supplies. 9-13

N. C., Vanceboro—City will install street lighting system; purchase power from Washington; extend line from Chocowinity.

Okla., Henryetta—City let contract to George M. Brown & Co., McAlester, for power house and purification plant. 8-16

Okla., Spiro—Bd. of Trustees will install \$35,000 light plant equipment.

Okla., Woodward—City voted against sale of light plant to Western Light and Power Corp.

Tenn., Hornbeck—James J. Miller and A. Charter, Covington, applied to State Railroad and Public Utilities Comm. for permission to construct light and power plant in Obion County.

Tex., Bartlett—City, reported, plans installing light and power plant.

Tex., Commerce—City considering installation of light and power plant.

Tex., El Paso—El Paso Water Improvement District No. 1, Toltec Bldg., Roland Harwell, Gen. Mgr., advises proposal to ratify 2 important contracts carried in this district but failed to carry in irrigation district in New Mexico; will be unable to proceed with plans heretofore outlined. 9-13

Tex., Harlingen—Central Power and Light Co., San Antonio, reported, negotiating for municipal power plant.

Tex., Hemphill—Hemphill Light & Power Co., acquired distribution right for electric power; Temple Lumber Co., will generate power; furnish power to Bronson.

Tex., Pecos—City will install street lighting system on 16 downtown streets.

Tex., Seymour—City considering installation of light and power plant.

Virginia—Virginia Public Service Co., Charlottesville, reported, taking options on 1000 acres land in Rockbridge County as site for \$3,000,000 power project; flooded area will include land on Little River and all of low ground on Big River toward town of Goshen; power plant will not be erected at the dam but water will be carried by gravity through tube 8 ft. in diam. to point nr. mouth of gap where generating machinery will be located. 8-9

Va., Clarendon—Bd. of Supervisors plan installing white way system along Wilson Blvd. between Virginia Ave. and Clarendon Ave.

W. Va., Salem—Monongahela West Penn Public Service Co., Fairmont, extending 22,000 volt high tension electric line from Wolf Summit to Salem; build brick and steel substation along line between Salem and Bristol; cost \$30,000; has franchise at Salem and West Union; later plans extending line to West Union.

Flour, Feed and Meal Mills

Miss., Jackson—Gober's Great 8 Milling Co., and Betta Feed Mills, consolidated; John K. McDaniel, Gen. Mgr.

Miss., McComb—McComb Milling Co. increased capital to \$25,000.

Mo., Kansas City—Southland Milling Co., capital \$35,000, incorporated; J. P. Ellison, 1218 Stratford Road.

Tenn., Memphis—Champion Feed Mills, capital \$25,000, incorporated; W. O. Crump, Raleigh Road.

Foundry and Machine Plants

Ga., Macon—Taylor Iron Works & Supply Co., 1014 Broadway, W. A. Taylor, Pres., will double capacity of plant; construct 3 buildings to include foundry building, pattern shop and struc. steel and boiler shop; struc. steel frame, copper-bearing metal roofs.

S. C., Greenville—Hampton Smith, 506 McBee Ave., plans organizing company to manufacture textile machinery and supplies.

Va., Richmond—Richmond Car Works, J. C. Snyder, V.-Pres., subsidiary of Standard Steel Car Co., Frick Bldg., Pittsburgh, plans expending \$500,000 for enlarging and improving plant; install machinery; will double capacity of plant.

W. Va., Parkersburg—Spence Machine and Supply Co., capital \$50,000, incorporated; W. T. Elliott, 10 Camden Place.

Gas and Oil Enterprises

Ala., Sheffield—Semet-Solvay Engineering Corp., 40 Rector St., New York, constructing complete new Steere carbureted water gas plant; consists of 5 ft. water gas machine, fuel handling systems, tubular condenser, after cooler, pumps, purifier, piping and other auxiliary equipment; supply gas service to Sheffield and Tuscaloosa. 9-21

Mississippi—Cities of Clifton, Meridian, Walnut Springs and Valley Mills, considering granting natural gas franchise; formed permanent organization with Mayor Ed. Handley, of Clifton, Chrmn.

Ark., Blytheville—City plans inviting bids for artificial gas franchise.

Ark., Fort Smith—Buffington Oil and Gas Co., incorporated; Vincent M. Miles, Merchants Bank Bldg.

La., Jennings—Belchie & Laskey, Slattery Bldg., Shreveport, begin work in about 60 days on gas mains; company has franchise in Shreveport and other urban cities. 7-5

La., LaPlace—LaPlace Gas and Fuel Co., Inc., Henry C. Maurin, Pres., will have natural gas line constructed through city by Ford, Bacon & Davis, Inc., Engrs., 115 Broadway N. Y. 9-20

Miss., Brookhaven—City granted 25 year franchise to Frederick S. Mourdant, representing Sherritt & Co., Inc., Chicago, and New Orleans, La., Federal Utilities Co., Chicago, and Southern States Utilities Co., New Orleans, La., for artificial gas plant; expend \$200,000.

Miss., McComb—Interstate Oil Co., incorporated; F. B. Enochs, J. H. Price.

N. C., Hickory—City, H. L. Yoder, Mgr., receives bids Oct. 22 for franchise for gas plant, 30 years. 9-6

Oklahoma—Empire Gas and Fuel Co., Bartlesville, completing plans for 500 mile trunk line north from system in mid-continent district to point on Mississippi River to serve territory around Chicago district with refined oil; plan erecting refinery at northern terminus with installed capacity 10,000 bbls. crude oil daily.

Oklahoma—Asher—Seminole County Oil and Gas Co. granted franchise at Asher and Wanette; constructing line.

Okla., Tulsa—Bison Oil & Gas Co., capital \$85,000, incorporated; J. A. Denny, Mayo Bldg.

Okla., Tulsa—Krasne Drilling Co., incorporated; Abe Krasne, 1711 S. Quincy St.

Texas—Texas Corp., 17 Battery Place, New York, plans additional expansions including trunk pipe line Oklahoma to Lockport, Ill.; 3 neighborhood refineries in Texas and 1 in Wyoming and connecting 2 of these with company's pipe line system; line, Tulsa to Lockport, will require 40,000 tons steel pipe, 650 miles of 8-in. pipe; plant at Amarillo will have capacity of 3000 bbls. daily and new unit at San Antonio will have same capacity; plants will both be connected with Texas Corp.'s pipe line system; third plant at El Paso will have 1500 bbls. daily capacity.

Texas—Texas Pipe Line Co., Houston, let contract to Smith Bros., Santa Fe Bldg., Dallas, for constructing 120 mile of 10-in. and 470 miles of 12-in. pipe line from West Texas to Port Arthur; line will be of 35,000 bbls. daily capacity; will tap pools in Winkler, Crane, Upton and Pecos Counties and will pass through Ozoma, Sonora, Junction, Fredericksburg, with branches to San Antonio, San Marcos, Sealy, Lockhart, Houston, Humble and Liberty and terminating at Port Arthur; cost about \$2,000,000. 7-12

Texas—Railroad Comsn., Austin, has under consideration application of Magnolia Petroleum Co., Magnolia Bldg., Dallas, for 5 yr. renewal of permit for manufacture carbon black from residue gas in Stephens county.

Texas—Humble Oil and Refining Co., Houston, reported, construct two additional 55,000 bbl. tanks in Boggy Creek field.

Tex., Amarillo—Oil-O-Treat Co., capital \$15,000, incorporated; T. G. Nichols, 2618 Hughes St.

Tex., Beaumont—River Oil Corp., incorporated; Robert Averre, 2700 Angelina St.

Tex., Big Lake—Drane-Humphrey Co., San Angelo, reported, has contract for 20 bolted tanks from 65 to 1000 bbl. capacity for Big Lake Refinery Co.

Tex., Clarendon—Reynolds Drilling Co., incorporated; E. E. Reynolds and N. T. Thompson.

Tex., Fort Worth—Star Refining and Production Co., W. Fifth and Layton Sts., will rebuild burned refinery; placed orders for all steel storage (5500 bbls.); bought tanks from Dublin Refining Co., Dublin; local contractor for erection.

Tex., Houston—Humble Pipe Line Co., reported, construct two 55,000 bbl. steel storage tanks at Raccoon Bend, Austin County; also construct pumping station for its 8-in. line from Satsuma Station to this field.

Tex., Ingleside—Humble Oil and Refining Co., Houston, advises now have under construction at Ingleside, 3 atmospheric crude stills; no construction work started on cracking plant at Ingleside refinery to date.

Tex., Pampa—Cities Service Gas Co., 60 Wall St., New York, reported, plans extensions and improvements to natural gas plants at Pampa and Mooreland, Okla., including additional equipment, cost \$80,000; install 5000 h. p. capacity compressor station at Higgins.

Tex., Pampa—Forest E. Gilmore Co., Wright Bldg., Tulsa, Okla., reported, construct and operate \$200,000 casinghead plant in Gray County.

Tex., Pittsburgh—Gulf Refining Co., Port Arthur, acquired Kenn & Wolf Refinery on Houston ship channel as terminal, including 37 acres with 650 ft. on ship channel.

Va., Low Moor—Shenandoah Gas and Utilities Co., R. C. Stokes, V.-P., Covington, subsidiary of Intercontinent Gas Co., 11 Broadway, New York, having plans completed for gas plant; using gas making process and plans pipe gas in Virginia; has franchises at Covington, Clifton Forge, Lexington and Buena Vista; J. G. Wilson, 11 Broadway, New York, Consnl. and Constr. Engrs. for company.

West Virginia—Union Carbide and Carbon Co., 30 E. Forty-second St., New York, reported, has site at Boncar for erection of metallurgical plant.

W. Va., Charleston—Trojan Gas Co., capital \$25,000, incorporated; Albert D. Williams, G. B. Potterfield.

W. Va., Sistersville—Glen Deal Oil and Gas Co., capital \$50,000, incorporated; S. W. Alexander, J. A. Richards.

Ice and Cold-Storage Plants

Md., Tilghman—Maryland East Coast Utilities Co., subsidiary of East Coast Utilities Co., Richmond, Va., applied to Public Service Comm., Baltimore, for permission to acquire Tilghman Ice & Electric Co.

Miss., Tchula—Tchula Ice & Coal Co., B. B. Brannon, Pres., erect building with daily output of 10 tons; 41x54 ft., conc. floors, galvanized iron roof; install Frick flooded system raw water ice manufacturing plant; Frick Co., Machinery Contr., Waynesboro, Pa.; receives bids until Oct. 1 for building material, etc., f. o. b., Tchula.

Okla., Duncan—City plans 50-ton ice plant; H. Sullivan, Engr., Lone Wolf.

Okla., Shawnee—George Russell, Picher, applied to Corp. Comm., Oklahoma City, for permission to construct 2 ice plants; one at Shawnee, other east of Shawnee.

Tenn., Knoxville—Atlantic Ice and Coal Co., W. B. Baker, Pres., Atlanta, Ga., 106 Collins St., reported, erect ice and dry cold storage plant, 1003 W. Cumberland Ave.; consist of 2 buildings of brick and steel, one 2-story ice manufacturing unit with output of 200 tons of ice daily; other storage unit, 4 stories; cost \$200,000.

Tex., Brady—Spiller Grain Co. will install pre-cooling plant with capacity 30,000 lbs. dressed turkeys daily; cost \$20,000.

Tex., Dallas—Central Ice and Cold Storage Co. erect \$20,000 factory, 4222-28 Ross St.; brick.

Tex., Paris—Pennington Produce Co., Sulpher Springs, erect poultry dressing plant and ice and cold storage plant.

Land Development

Fla., Ft. Myers—Lucerne Farms Corp., incorporated; W. P. Franklin, R. E. Kurtz.

Fla., Gainesville—Hibiscus Park, Inc., chartered; B. M. Walker, S. L. Scruggs.

Fla., Miami—Rogers & Jarrell, Inc., chartered; L. W. Rogers, 761 Washington Ave.

Fla., Orlando—Nela Isle Realty Co., incorporated; C. D. Christ, 11 Lucerne Circle.

Fla., Tampa—S. R. Norman, 2519 Connecticut Ave., N. W., Washington, D. C., and George T. Penny, Elwood Hotel, High Point, N. C., acquired 4500 acres in Odessa and Citrus Park lake regions north of here; probably develop for agriculture.

Fla., Tampa—Dr. George B. Leutscher, acquired suburban development on Memorial Highway, will refinance and complete improvements.

La., Bastrop—Bastrop Realty Co., Inc., chartered; Geo. T. Madison, Chas. Snyder.

La., Monroe—City acquired and will develop 137 acres in S. Monroe for park.

Mo., Mexico—Greater Mexico Realty Co., capital \$100,000, incorporated; W. W. Pollock, Mexico; F. C. Bonsack, 5603 Kingsbury Ct., St. Louis.

Mo., St. Louis—Wm. L. Heckmann Organization, 100 N. Seventh St., will develop Eldorado No. 3 subdivision in northern St. Louis County on Larimore Road.

N. C., Charlotte—Amitie Country Club, Inc., capital \$50,000, incorporated; S. L. Baker, F. L. Camp; develop golf course.

N. C., Franklin—Interests associated with Jupollo Public Service Co. of Cleveland, O., southern headquarters New Medical Arts Bldg., Asheville, plans development of 500 acres adjoining Lake Emory.

N. C., Winston-Salem—New Homes Co., incorporated; M. D. Herndon, Brantley St.

N. C., Winston-Salem—City plans development of park on site of old water plant.

S. C., St. Matthews—Ellen Farm, incorporated; L. M. Guess, L. B. Sellers.

Tex., Austin—City Parks and Playground Comm. plans acquiring 8 acres along Harris Park Ave., for park.

Tex., Beaumont—B. E. Quinn, Wiess Bldg., Beaumont, and J. R. Bevil, Kountze, acquired 5700 acres between Hightower and Cleveland; develop for farming and cotton.

Tex., Big Spring—Dr. H. E. Opre, San Angelo, acquired 80 acres 2 miles west of here; develop subdivision; install streets, grade, etc.

Tex., Laredo—William Marks plans constructing 15-room tourist camp with filling station on Santa Maria Ave.

Tex., Raymondville—W. A. Harding acquired 20,000 acres land in Lower Rio Grande Valley; expend \$1,000,000 for clearing land, plowing and erecting homes for farming.

Tex., Sandereson—V. A. Brown, Rock Springs, acquired 2650 acres adjoining ranch; will develop; lay 4½ miles water pipe; build several miles fence, etc.

Tex., Temple—N. M. McGinnis, 3920 Shanning Lane, Dallas, Landscape Archt., planning city's improvement program to include parks, placing of curb lines, traffic signal lights, white way lights, etc.

Va., Petersburg—Greater Virginia Realty Corp., capital \$25,000, incorporated; John A. Campbell.

W. Va., Huntington—Monitor Co., Inc., capital \$50,000, incorporated; Harry S. Irons, 524 Ninth St.

Lumber Enterprises

Ala., Lamison—Frost-Sibley Co. will rebuild burned sawmill.

Fla., Tallahassee—Capital City Lumber Co., incorporated; J. R. Wheeler, E. G. Rivers.

La., Bogalusa—W. H. Sullivan, V.-Pres. and Gen. Mgr., Great Southern Co., let contract to Filer & Stowell Co., Milwaukee, Wis., for machinery and manufacturing redwood lumber, cost \$175,000; will have daily capacity of 250,000 ft.

Miss., Tchula—W. M. Under is completing hardwood lumber and pine building material plant; install machinery from old plant at Little Warfield Plantation; W. R. Jones, Gen. Contr., Blyona, Miss. See Want Section—Miscellaneous.

Mo., St. Louis—Jas. W. Donaldson Co., 6890 Easton Ave., incorporated; James W. Donaldson.

N. C., Carthage—Emerald Lumber Co., capital \$50,000, incorporated; H. G. Clark; H. P. Taylor, Wadesboro.

N. C., Yadkinville—Yadkinville Lumber Co. rebuilding burned lumber yard.

S. C., Cayce—Lexington Lumber Co. plans increasing capital, \$50,000 to \$100,000.

Tex., Beaumont—Jones O'Shaughnessy Lumber Co., capital \$200,000, incorporated; Roy Jones, J. W. O'Shaughnessy.

Tex., Dalhart—Foxworth Galbraith Lumber Co. erect building, Rock Island Ave.; English type, stucco, 90x124 ft.

Tex., Houston—C. H. Daniel, 902 Hts. Blvd., acquired properties of Grand Lake Lumber Co. including lumber yard.

Tex., Jacksonville—See Miscellaneous Enterprise.

Tex., Orange—B. E. Quinn, Beaumont, acquired 2884 acres pine timber land in Orange County.

Mining

Ark., Mena—Southwestern Copper Mining & Milling Co., capital \$200,000, incorporated; John Reinhart.

Mo., Joplin—Riverside Mining Co., 1727 Empire St., incorporated; T. S. Blakesley, 6100 Mission Drive.

Okla., Camargo—Camargo Sand and Gravel Co., develop 30 acres of land; daily output will be 7 cars of sand and gravel. See Want Section—Machinery and Supplies.

Miscellaneous Construction

N. C., Winston-Salem—City plans issuing \$150,000 bonds for incinerator.

Tenn., Chattanooga—City plans installing 2 incinerators; cost \$125,000; votes in Nov. on bonds. See Financial News.

Tex., Pharr—City let contract to J. E. Pate, Hidalgo, at \$37,000 for incinerator; brick, steel.

Miscellaneous Enterprises

Ala., Muscle Shoals—Rubber Products Co. of Alabama erecting \$100,000 plant.

Ala., Tuscaloosa—Frank Curry & Co., 1429 Twenty-seventh Ave., will erect \$25,000 plant for manufacture artificial stone; 60x150 ft.; interlocking tile floors; construction by owners.

Ark., Jonesboro—Van-Lee Rubber Co., capital \$25,000, incorporated; Ivy C. Spencer, Gordon Frierson.

Ark., Russellville—J. G. Butler & Sons will rebuild burned laundry and bottling works, David and Torrence Sts.

D. C., Washington—Washington Tent & Awning Co., Inc., chartered; Lewis Y. Buckingham, Wade Apt.

D. C., Washington—Irving S. Hall Cleaning & Dyeing Co., Inc., 3712 14th St., N. W., chartered; L. Bauer.

D. C., Washington—Foundation Co. of Washington, capital \$100,000, incorporated; Lawrence J. Heller, Colorado Bldg.

Fla., Jacksonville—Independent Publishing Co., incorporated; A. W. Dennis, 3804 Main St.

Fla., Miami—Babcock & Co., Inc., Louis Spigel, Pres., New York City, leased Briggs-Warr building, 12-14 S. W. First St., for manufacturing of insecticides, sanitary chemicals and other products; installing machinery.

Fla., Orlando—H. P. Lee, Inc., 100 Livingston St., has low bid at \$40,000 from Arthur Struble, 1615 Ridgewood Ave., for constructing store building and machine shop; struct. steel, tile, 2 stories and basement, 100x83 ft.; David B. Hyer, Archt., Phillips Bldg.

Fla., St. Petersburg—Southern Safety Match Co., capital \$200,000, incorporated; James E. Coad, Pres., Sarasota, leased building for match factory, later will erect own plant; production will be 12,000 penny boxes of matches and 48,000 cards of paper matches for each unit, will probably begin with 2 units; at end of 2 yrs. plans call for 100 units of machinery to be in operation; will use Florida wood; machinery invented by Samuel M. Friede, Sarasota, Pres. of United Match Machine Co., who may move plant to city and manufacture machines for local factory and other factories to be established.

Fla., Tampa—Southern Contracting Co. incorporated; E. E. Hennie, 902 Berry St.

Ga., Atlanta—Atlanta Laundries, Inc., let contract to Flager Co., Red Rock Bldg., for constructing laundry, Glen Iris Drive; rein. conc., brick, struc. steel, 3 stories, built-up roof, steam heat; Isaac Moscovitz, Archt., 663 Bonaventure St., N. E.

Ga., Moultrie—Ingalls Iron Works, Co., Birmingham, Ala., has contract for oil storage tanks for Swift & Co., Chicago, Ill. 8-2

La., Baton Rouge—Standard Plumbing, Heating and Supply Co., Inc., capital \$50,000, chartered; Preston Brasher, 227 Laurel St.

La., Lafayette—Bacque Seed Co., Inc., capital \$10,000, incorporated; Odon A. Guidry, Frank M. Bacque.

La., New Orleans—Advertising—Bowden Caldwell, Inc., capital \$25,000, chartered; Bowden Caldwell, 1718 Dufossat St.

CONSTRUCTION DEPARTMENT

La., Shreveport—Stockholders of United States Sheet and Window Glass Co., Jewella, authorized sale of assets of company to Libbey-Owens Sheet Glass Co., Nicholas Bldg., Toledo, Ohio. 9-13

La., Shreveport—Tri-State Journal Publishing Co., Inc., chartered; J. E. Knighton, 940 Margaret Place.

Md., Baltimore—Maryland Glass Corp., Mt. Winans, erect 2-story building, 2115-29 Langley St.; 2 stories, 27x70 ft.; Consolidated Engineering Co., Contr., 20 E. Franklin St.

Md., Baltimore—Directors of United States Fidelity and Guaranty Co., R. Howard Bland, Pres., recommended to stockholders that capital \$10,000,000 be increased to \$24,000,000 and par value of stock be reduced from \$50 a share to \$10 a share; also voted to sell \$2,500,000 additional stock, being balance of present \$10,000,000 authorized issue to stockholders at \$100, or double par, a share; of proceeds \$2,500,000 will go to capital and similar amount to surplus; special meeting of stockholders Oct. 8 to vote upon proposal.

Md., Baltimore—Locke Insulator Corp., Charles and Cromwell Sts., plans erecting \$40,000 laboratory; brick, steel.

Md., Baltimore—United States Fidelity & Guaranty Co., R. Howard Bland, Pres., will incorporate United States Fidelity Fire Insurance Co., with headquarters in Baltimore, under laws of New York (instead of Delaware), with capital of \$2,000,000; incorporators are R. Howard Bland, J. Kemp Bartlett, Edwin T. Levering, Jr., and others. 7-5

Md., Sparrows Point (Br. of Baltimore)—Printing and Publishing—Community Press, Inc., chartered; Paul G. Stromberg, Main St.

Miss., Biloxi—Ness Ice Cream Co. will remodel plant, Washington and Lameuse Sts., construct mezzanine floor; install 15-ton ice machine, two 300 porcelain vats for milk, automatic filling and bottling machine, enclosed cooler, hardening room and milk storage room; will increase capacity to 11,000 gal. of milk daily; Collins Bros., Contr.

Miss., Corinth—Kraft Cheese Co., 402 Rush St., Chicago, Ill., reported, establish cheese plant; has site on North Corinth; soon call for bids.

Miss., Hattiesburg—City voted bonds for fire fighting equipment. See Financial News. 9-6

Miss., McComb—McComb Candy Co. constructing candy plant at Broadway and Twenty-second Sts.; frame and steel, 1 story.

Miss., Neshoba—A. C. and W. H. Anderson, Ripley, acquired Neshoba Democrat, newspaper.

Miss., Picayune—H. I. Harris, Dr. V. B. Martin and others, interested in establishing creamery.

Miss., Yazoo City—Henrich Vulcanizing Co. erect plant on S. Main St.

Mo., Cape Girardeau—A. H. Gerhardt has contract for erecting new Cherry floral building, Broadway; Reether & Lindsay, Archt.

Mo., Deepwater—Deepwater Cheese Co. incorporated; Tom Hurst, John A. Grob.

Mo., Kansas City—Sharon Construction Co., incorporated; F. C. Sharon, 107 W. Tenth St.

Mo., St. Louis—Fran Cordes, 5203 Louisiana Ave., receive bids Oct. 5 for \$12,000 laundry, Dunnica and Gravois Ave.; 1 story, 45x163 ft., wood and cement floors, asphalt roof, conc. foundation; Ernest J. Hess, Archt., 903 Title Guaranty Bldg. See Want Section—Building Material and Equipment.

Mo., St. Louis—Solar Signs, Inc., chartered; Benton M. Crutcher, 6677 Washington St.

Mo., St. Louis—Heating Apparatus—Davis & Davis, Inc., chartered; L. L. Davis, 7577 Warner St.

Mo., St. Louis—Southern Equipment Co., 4607 S. Broadway, August A. Muckler, Pres., acquired factory building at 5016 S. 38th St., for manufacturing hotel, kitchen and restaurant equipment.

Mo., St. Louis—Westinghouse Electric & Mfg. Co., 411 N. Seventh St., acquired Kaestner & Hecht Elevator Co., to be known as Westinghouse Electric Elevator Co.

Mo., St. Louis—Equipment Manufacturing Co. formed by the merger of W. F. Blanke Can & Mfg. Co., 116 Pine St., and Dairy Equipment Mfg. Co., Kansas City, Kan., moved plant and office to 412 Valentine St.; O. B. Blake, V.-Pres. and Gen. Mgr.

Mo., St. Louis—Paints—Steelcote Mfg. Co., incorporated; George E. Niedt, 7040 Waterman St.

N. C., Aberdeen—Newspaper—The Pilot.

capital \$50,000, incorporated; Nelson C. Hyde and Bion H. Butler, both of Southern Pines.

N. C., Asheville—Hamilton Block, Midland Dr., Lakeview Pk., plans forming company to manufacture rotary scrubbing brush.

N. C., Reidsville—Reidsville Construction Co., capital \$25,000, incorporated; J. L. Womack, R. E. Haga.

Okla., Miami—John W. Dammann acquired Peter Pan bakery, will construct building.

Okla., Oklahoma City—Baum Construction Co., capital \$50,000, incorporated; E. C. Baum, 3512 N. Kelley St.

Okla., Tulsa—Bokay Laboratories, Inc., capital \$25,000, incorporated; R. E. Zinn, 749 N. Cincinnati St.

Okla., Tulsa—Henry Construction Co., incorporated; C. A. Wendt, 1615 S. Yorktown Street.

S. C., Greenville—Hampshire Underwear and Hosiery Co., 47 Lenord St., New York, acquired Nuckasee Mfg. Co.

S. C., Rock Hill—Chamber of Commerce interested in establishing to manufacture men's underwear.

S. C., Waterboro—Enterprise Hardware Co., capital \$25,000, incorporated; J. M. Wittsell, H. E. Thomas.

Tenn., Dyersburg—Machinery—Lindsay & Conrad, Inc., capital \$30,000, incorporated; K. S. Conrad, R. F. Lindsay, Sr.

Tenn., Elizabethhton—Laxa Ginger Snap Foods Co., capital \$50,000, incorporated; C. L. Grindstaff, E. H. Holly.

Tenn., Harriman—W. J. Oliver Plow Co., Dole Ave., Knoxville, consolidated with Harriman Mfg. Co., Harriman; will initially continue operations separately, later on will combine 2 plants under name of Harriman Mfg. Co.; all equipment of Knoxville plant will be removed to Harriman about Nov. 15.

Tenn., Knoxville—Ketners Dry Cleaners, incorporated; Wylie E. May, 1215 N. Fifth Ave.

Tenn., Knoxville—Quaker City Chemical Co., 2736 N. Broad St., Philadelphia, Pa., erect \$50,000 branch plant, N. Sixth Ave., will manufacture chemically compounded products for use in textile mills and dyeing and bleaching establishments; S. D. Cox, Contr., Empire Bldg.

Tenn., Maryville—H. M. Scott, Mgr., Sweetwater Valley Cheese Co., plans establishing cheese plant.

Tex., Dallas—White Uvalde Mines, Inc., San Antonio, plans constructing paving material plant.

Tex., Dickinson—Texas Fig Growers Assn. may establish fig plant.

Tex., El Paso—Sunlight Bakery Co., 2400 E. Yandell Blvd., will rebuild portion of plant burned at loss of \$20,000; install concrete and steel loading platform and garage, fireproof; also ovens.

Tex., Fort Worth—Schepps Baking Co., incorporated; George Schepps, H. Nathanson.

Tex., Houston—St. Regis Candies, Inc., 511 Main St., Paul A. Xanthull, Pres., plans expansion program.

Tex., Jacksonville—Chamber of Commerce, C. K. DeBusk, Mgr., interested in locating here packing plant, milk plant, creosoting plant and paper mills.

Tex., Jacksonville—Jacksonville Sheet Iron Works, incorporated; Sam A. Cobb, C. W. Marshall.

Tex., Livingston—J. H. Willard erect building; brick, 2 stories, 30x70 ft.; first floor to be occupied by Livingston Enterprise for printing plant; apartments on second floor; Louis P. Josseland, Archt., First Natl. Bank Bldg.

Tex., Merkel—C. J. Glover, Jr., J. J. Hutchison, George Caple, all Waco, acquired Merkel Mail, newspaper.

Tex., Paris—See Ice and Cold Storage Plants.

Tex., Parish—Pennington Produce Co., Sulphur Springs, will establish poultry dressing and canning plant.

Tex., San Antonio—Express Publishing Co. let contract to Joplin Construction Co., Fidelity Union Bldg., Dallas, for constructing 5-story building with 3-story tower, Ave. E and Third Sts.; 188x141 ft., reinforced concrete, faced with Indiana Bedford limestone, bronze and steel metal doors, steel metal windows; refrigeration system throughout; Herbert S. Green, Archt., Alamo Bank Bldg.; W. E. Simpson & Co., Consol. Engrs., 412 Natl. Bank of Commerce Bldg.; R. F. Taylor, Electrical and Heating Engr., Bankers Mtg. Bldg., Houston; plumbing and heating contract let to West & Gutzeit, 425 Main St.; electrical work, Graham & Collins, 306 W. Commerce St., both San Antonio; passenger and freight elevators, American Elevator and

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Machine Co., Inc., 500 E. Main St., Louisville, Ky. 9-20

Tex., San Angelo—Delaware Punch Biting Co., capital \$25,000, incorporated; C. T. Westmoreland, Belle Boyd.

Tex., Tyler—City may vote on bonds for municipal abattoir or slaughtering house. See Financial News.

Tex., Yoakum—F. A. Kallus acquired Home Steam Laundry, E. Gonzales and Dunn Sts.

Va., Norfolk—Printing—Teagle & Little, Inc., chartered; Harry I. Teagle, 266 Bank St.

Va., Petersburg—Albany Peanut Co., Inc., incorporated; Charles H. Heinemann, Westover Ave.

W. Va., Bluefield—Stewart Fuel & Supply Co., capital \$50,000, incorporated; W. A. Richards, 701 Albemarle St.

W. Va., Morgantown—Bonner Dairy Co., capital \$25,000, incorporated; E. F. Beall, 725 N. Willey St.

W. Va., Parkersburg—Kesselman & Co., 128 Ann St., capital \$100,000, incorporated; Wm. H. Kesselman, Parkersburg; Mabel Brandberg, Butler, Pa.; oil well supplies.

Motor Bus Lines and Terminals

Arkansas—Conway & Robinson Bus Co., Texarkana and Little Rock, applied to Arkansas Railroad Comm., Little Rock, for permission to operate motor bus lines in Arkansas to run from Little Rock to Hot Springs, Pine Bluff, Memphis, Fort Smith, McGehee, Texarkana and New Port; probably put about 22 new buses into service.

Ark., Texarkana—Charles M. Conway and associates acquired Deacle & Son Red Ball bus line, with headquarters at Texarkana and Camden.

La., New Orleans—F. O. Johnson Motor Lines, Inc., 1155 Constance St., capital \$50,000, chartered; F. O. Johnson, John G. Feth.

Okla., Oklahoma City—Motor Bus Div. of Railroad Comm., Austin, Tex., granted permit to Oklahoma City-Amarillo Bus Co., to operate bus line between Oklahoma City and Pampa, Tex.

Motor Cars, Garages, Filling Stations

Ala., Ensley—Drennen Motor Co., Don Drennen, V.-Pres., Ave. D and 20th St., let contract to Earl Cline, 1011 N. 16th St., for erecting garage; brick, 1 story, 150x150 ft., sprinkling system; Charles H. McCauley, Archt., 709 Jackson Bldg., all Birmingham. 9-6

Ala., Robertsdale—J. B. Wilters erect garage and filling station; hollow tile, stucco, 50x150 ft., built-up roof, steel trusses; F. W. Clarkes, Archt., Masonic Temple, Mobile; owner builds.

Ark., Fort Smith—Fort Smith General Tire Co., capital \$10,000, incorporated; H. G. Brown.

Ark., Fort Smith—Henry Bollinger, 817 N. 21st St., plans erecting filling station, Rogers Ave.

Ark., Fort Smith—Thomas L. Daily plans erecting filling station, S. 19th St.

Ark., Van Buren—Sam. J. Harsbarger, 611 N. Tenth St., has contract for constructing filling station; brick, fireproof, comp. roof, concrete floor, brick and concrete foundation.

D. C., Washington—Charles D. Sager, 924 14th St., N. W., erect 8 garages, Kansas Ave.; \$12,000.

D. C., Washington—Stewart Bros., Inc., 151 12th St., N. E., erect \$130,000 garage, 1012 Fifth St.; brick, 4 stories.

Fla., Miami—Cas. Habig erect \$75,000 building, Biscayne Blvd. and 20th St.; Weed & Virrick, Archts., 328 N. E. Second Ave.

La., Baton Rouge—Mann-Atkinson Motors, Inc., capital \$50,000, chartered; Lawrence Mann, 2233 Tulip St.

La., New Orleans—Geo. P. Blaise receives bids Sept. 28 for constructing garage, Iberville and Marais Sts.; steel, brick, 1 story, 42x115 ft., reinforced concrete foundation, metal roof; Wm. T. Nolan, Archt., Canal Bk. Bldg.; following contractors estimating: E. W. Ullrich Glass Co., 739 Dryades St.; Haffner & Taylor, 322 Nashville Ave.; J. A. O'Brien, Louisiana Bldg.; J. A. Haase, Jr., 916 Union St.; Geary-Oakes Co., Queen & Crescent Bldg.; A. Garrett, Maritime Bldg.; R. P. Farnsworth & Co., Maritime Bldg.; J. V. and R. T. Burkes, New Orleans Bk. Bldg.

La., New Orleans—J. H. Ruppert, 739 Jackson Ave., plans erecting filling station and garage; J. DeTarnowsky, Archt.

La., Ponchatoula—Capt. A. J. Pusey let contract to H. J. Gabirle for 40x80 ft. building, W. Pine St., to be occupied by Ponchatoula Motor Co.

Md., Baltimore—Ashley Chevrolet Sales, Inc., Calverton Apts., incorporated; Donald L. Ashley.

Md., Baltimore—C. F. Rappold & Sons, 2400 E. Fayette St., erect \$10,000 service station, E. Fayette St.; brick, 1 story, 120x36 ft., slab roof, steam heat; Carl W. Eschucker, Archt.

Miss., Greenville—Greenville Motor Co., erect building, Main St.; brick, 50x175 ft., 1 story; H. W. Lathrop, Archt.; Harry McKeen, Contr.

Miss., State Line—Lucas Motor Co., erect \$10,000 garage; hollow tile, 1 story, 70x80 ft., conc. floors, built-up roof, steel beams, rein. conc. foundation; L. B. Priester & Son, Contr., 1403 12th Ave.

Mo., Jefferson City—August Raithel erect garage at Schuberts.

Mo., Poplar Bluff—Walker Motor Car Co., Vine and Second Sts., erect sales room and garage; brick, 1 story.

Mo., St. Louis—Washington Garage Corp., 3656 Washington St., remodel 3-story garage; International Co., Contr., 520 Buder Bldg.

Mo., St. Louis—Big Four Auto Co., 2400 S. Jefferson St., erect \$40,000 building; brick, 3 stories, 90x120 ft., conc. roof, steam heat; A. S. Gimlin, Archt.; A. Koert, Contr., both 4921 Washington St.

Mo., St. Louis—Standard Authorized Service, Inc., cap. \$25,000, chartered; John T. Dwyer, 5626 Agnes St.

Mo., Wellston—Lyndhurst Motor Co., 7923 St. Charles Rock Road, incorporated; Chas. H. Coburn, Jr., 7918 St. Charles Rock Road.

N. C., Durham—H. C. King erect \$25,000 display room, addition to service station, Rigsbee Ave. and Chapel Hill St.

N. C., Madison—Dillon Chevrolet Co., capital \$100,000, incorporated; W. E. Shore, 721 N. Cherry St., Winston-Salem.

N. C., Spruce Pine—Mitchell Motor Co., incorporated; J. W. Webb; G. B. Tipton, Relif.

Okl., Lawton—Gilkey-Duff Motor Co., capital \$25,000, incorporated; George E. Duff, A. S. Gilkey.

Okl., Tulsa—H. F. Wilcox Oil and Gas Co., S. 8th St. and Detroit Aves., will erect 125x140 ft. garage, filling station and store; brick and steel, comp. and tile roof, 1 story; cost of building \$35,000, equipment \$10,000; Frank C. Walter, Archt., 401 Wilcox Bldg.; owner builds; will install gasoline pumps, compressors, lifts, tanks, oil containers, air meters, vulcanizing equipment, car washing apparatus, store fixtures, etc.

Tenn., Memphis—Kendall Oil Co., 1075 N. Second St., erecting filling station, Rison and N. Market Sts.

Tex., Amarillo—Amarillo Oldsmobile Co., Inc., 115 W. Sixth St., let contract to George Parr for constructing \$34,000 building, N. Tyler St.; brick, steel.

Tex., Austin—Herman Becker, Sr., let contract at \$14,145 to W. M. Peterson, 4104 Alice St., for erecting drive-in filling station and garage, Fifth and Trinity Sts.; brick, conc. steel, 92x128 ft., cement floors, rein. conc. foundation, built-up roof; Roy L. Thomas, Archt., 903 Littlefield Bldg.

Tex., Dallas—Kelly-Trost Motor Co., Leo J. Trost, Pres., 1607 Missouri St., Houston, will erect 2 story office and display building one block long between Pearl and Oliver Sts.

Tex., Dallas—H. E. Kenny, Amer. Exch. Bk. Bldg., erect filling station, 1401-03 Ross Ave.

Tex., Dallas—A. Wren erect filling station, 2114 Hall St.

Tex., Dallas—Magnolia Petroleum Co. erect \$15,000 filling station, 2147 N. Harwood St.; brick, 1 story.

Tex., Dallas—Worsham Buick Co., Pacific Ave. and Olive St., will erect \$200,000 building west side N. Pearl St., between Bryan and San Jacinto Sts.; 3 story, 152x214 ft., Italian style architecture, conc. faced with stone; C. H. Griesenbeck, Archt., Const. Indus. Bldg.

Tex., Dallas—Buick Motor Co., J. C. Cheek, Branch Mgr., will construct \$140,000 building, N. Harwood St. and McKinney Ave.; 3 stories, 150x93 ft.; A. P. Southworth of Buick Construction Dept., Flint, Mich., in charge of construction.

Tex., Greenville—Greenville Motor Co., incorporated; H. O. Hudspeth, H. H. Cassles.

Tex., Port Neches—Joe Van Bremen of Van Bremen Chevrolet Co., will construct 50x60 ft. service station on Wall St.

Tex., San Antonio—J. J. Leppard, 3701 Commerce St., erect \$13,000 service station; stone, tile.

Tex., San Angelo—Buick & Cox Auto Co., Kenneth B. Cox, Concho and Oak Sts., erect sales room and garage; brick, hollow tile, stucco, "L" shape, 60x90 ft., Johns-Manville roof, Aztec and Spanish design; Kelwood Co., Archt., 29 Allen Bldg., San Angelo, and Travis Bldg., San Antonio, have charge of construction, assisted by West Texas Lumber Co., San Angelo.

Tex., San Benito—Fred Barr owner Barr Body Fender Shop, plans constructing fireproof building.

Tex., Slaton—Scudder Motor Co. let contract to M. O. Napps for constructing building, 25x75 ft.

Tex., Waco—Asa W. Warner, 11 Miles Downsville Road, will construct \$25,000 garage to be occupied by Bender Motor Co., 927 Austin Ave.; brick, 50x165 ft.

W. Va., Charleston—Eastern Fireproof Garage incorporated; John J. D. Preston, Kanawha Bk. & Tr. Bldg.

W. Va., Clarksburg—D. M. Bailey Motor Co., capital \$25,000, incorporated; D. M. Bailey, 426 N. Fifth St.

Railways

Mo., St. Louis—St. Louis Southwestern Ry. Co., D. Upthegrove, Pres., considers developing through route between St. Louis and Memphis, Tenn.

Tex., Amarillo—Interstate Commerce Comm., A. Marsteller and Santa Fe Ry. Co., R. H. Allison, V. Pres. and Gen. Mgr., subsidiary of Atchison, Topeka and Santa Fe Systems, to issue single 6% bond of \$9,000,000.

Tex., Houston—Houston North Shore Ry. Co., Houston, subsidiary of Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., applied to Interstate Commerce Comm. for permission to construct 9-mile extension from near Greens Bayou to main line near west bank of San Jacinto River.

Railway Shops and Terminals

Texas—Texarkana and Fort Smith Ry. Co., W. G. Morgan, Ch. Engr., Texarkana, subsidiary of Kansas City Southern Ry. Co., G. P. Williams, Engr. and Asst. to Pres., Beaumont, plans \$1,000,000 developing program; construct transportation yard with 2000 car capacity and 17 miles of trackage, develop homesite tract for employees at Dowling, between Port Arthur and Beaumont; includes 8-stall brick roundhouse, power plant, machine shop and equipment, turntable, oil, water and sanding facilities, together with station and office facilities.

Tex., Beaumont—Waco, Beaumont Trinity and Sabine Ry. Co., R. C. Duff, Pres., Houston, plans constructing round house in connection with extension of line from Beaumont to Waco and Port Arthur.

Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

Proposed Construction

Ala., Anniston—State Highway Comm., Montgomery, plans Horseblock Mountain road, near Anniston.

Ala., Birmingham—Jefferson County Bd. of Revenue considering completing 800 ft. paving, to connect Tarrant City-Springville road with Newcastle road, by Jefferson County Farm; Claude J. Rogers, County Engr.

Ala., Birmingham—City Comm., Eunice Hewes, Clk., plans expending \$7800 to pave Thirtieth St. and Twenty-eighth Alley; A. J. Hawkins, City Engr.

Ala., Montgomery—City Comm. authorized paving Fairview Ave., Frederick St. to Woodley Terrace, and thoroughfare from west side of Court to west side of Gilmer St.; J. M. Garrett, City Engr.

Ala., Phenix City—City, W. N. Daniel, City Clk., received low bid from Capitol Concrete Co., 122 Palmetto Ave., Jacksonville, Fla., \$64,959 for 20,200 sq. yd. conc. paving, 5,039 sq. yd. conc. sidewalks, 9400 lin. ft. conc. curb, 4400 lin. ft. 15 to 24 in. storm sewers, etc.

Ala., Talladega—State Highway Comm., Montgomery, receives bids Oct. 17 for 12.70 mi. gravel surface, between Talladega and Ashland, Talladega County; 22,860 cu. yd. gravel surface; Woolsey Finell, Highway Director

Ark., Searcy—Civil engineers completed survey of road between Rose Bud and Mount Vernon, being part of Highway 36, Searcy to Conway, White County; grading will start soon.

Fla., DeLand—State Road Dept., Tallahassee, plans completing road in Fourth Road Dist.; Volusia County voted bonds. See Financial News.

Fla., Hialeah—City received low bid from Nick Balestreri, \$77,000, for 15 mi. 6-in. lime rock base.

Ga., Atlanta—Fulton County Comms., considering widening West Peachtree St. to 80 ft., Peachtree Place to Pershing Point.

Ga., Toccoa—Town may let contract in Oct. for 15,000 sq. yd. street paving, storm drainage, water and sewer extensions; Warren H. Booker, Engr., 1014 Queens Road, M. Pk., Charlotte, N. C.

Kentucky—State Highway Dept., Frankfort, receives bids in Nov. to grade and drain 2 roads; Muhlenberg County—Central City-Rockport road; Todd County—Greenville-Kirkmansville road.

Ky., Glasgow—State Highway Comm., Frankfort, plans 2 mi. road from Bear Hollow, Barren County, to Horse Cave, connecting Dixie-Jackson Highways.

Ky., Hickman—State Highway Dept., Frankfort, plans 2 lateral roads from main State Highway to Reelfoot Levee: From point 6 mi. below Hickman; point 10 mi. below Hickman, Fulton County; Henry McMullin, County Judge.

Ky., Paducah—McCracken County Will Warren, County Engr., plans building Lane and Theobald roads.

Louisiana—Louisiana Highway Comm., James M. Fourny, Engr., Baton Rouge, plans hard-surfacing various roads, contingent on \$25,000,000 bond election in Nov.: Road connecting Shreveport and New Orleans, through Natchitoches, Alexandria and Baton Rouge; road from Texas line, connecting Lake Charles and New Orleans, through Lake Charles, Crowley, Lafayette, Morgan City and on to Mississippi line; road connecting Shreveport and Vicksburg, through Ruston and Monroe; road from New Orleans to Mississippi line through Hammond.

La., Alexandria—Rapides Parish Police Jury, W. D. Rush, Pres., receives bids Oct. 16 to gravel roads in Sub-Road Dist. A, of Road Dist. 21.

La., Crowley—City, I. B. Broussard, Clk., receives bids Oct. 1 to pave Seventeenth St., H to Eastern Ave.; H. Gordon Brunson, Mayor.

La., Crowley—City, I. B. Broussard, Clk., receives bids Oct. 1 to gravel or shell Tenth St., from between Ave. G and H to Ave. K.

La., Lake Charles—City, J. H. Funderburg, Commr. of Finance, plans widening Bldo St.

La., Minden—Louisiana Highway Comm., Baton Rouge, receives bids Oct. 9 for 2.2 mi. Plain Dealing-Haynesville Highway, Webster Parish, from Bossier-Webster Parish line, Bodeau Bayou, to intersection with Minden-Spring Hill Highway, Serepta, including half of bridge over Bodeau Bayou; J. M. Fourny, State Highway Engr.

La., Ruston—City plans additional street paving.

Maryland—State Roads Comm., Baltimore, received low bids for 5 roads, 4 bridges: Anne Arundel County—32 mi. along Main St., Annapolis, from Church Circle to brick pavement at Market St. and .13 mi. St. Mary's Hill, Eastport Bridge West, P. Reddington & Sons, 2 E. Lexington St., Baltimore, \$34,750, vit. brick, granite block, conc.; \$19,190 for conc. pavement; Ward & O'Connell, New Amsterdam Bldg., Baltimore, \$34,830, vit. brick and conc. pavement; Montgomery County—1.95 mi. conc. from River road, Potomac to Conduit road near Truxton, L. R. Colbert, Fredericksburg, \$43,997; Somerset County—.72 mi. conc. streets through Crisfield, W. W. Truitt, Lincoln City, Del., \$15,434; Prince Georges County—.82 mi. conc., Chapel road, Central Ave. to W. B. A. crossing, Southern Maryland Construction Co., E. Lexington St., Baltimore, \$14,599. Bridges: Baltimore County—over Gunpowder Falls, Harford road, H. T. Campbell & Sons, Towson, \$21,712; on Baltimore-Washington Blvd., St. Den's to north of Rolling road, T. A. Ward, 1824 N. Caroline St., Baltimore; on Paper Mill road, over Green's Branch, H. T. Campbell Sons Co., \$7408; Frederick County—new span and extension to abutments of existing 18-ft. girder bridge, Thurmont-Sabillasville road, Hoffberger-Mause, Myersville.

Md., Baltimore—City, Bd. of Estimates, approved expenditure of \$32,500 to pave sections of 11 streets: Bethel, Little Monument St.; Montebello Terrace, Littleton road; \$20,

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000 to extend Forest Park Ave. Bridge over Gwynns Falls; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Bd. of Awards, receives bids Oct. 3 to grade, curb and pave with 12,300 sq. yd. cement conc. streets in Cont. 487; Nathan L. Smith, Highways Engr.

Md., Cumberland—City Council receives bids Oct. 1 to grade Springfield Blvd., State St. to Patterson Ave.; 1600 cu. yd. excavation, 1010 cu. yd. fill; Ralph L. Rizer, City Engr.

Md., Rockville—Montgomery County Commsrs. received low bid from H. H. Hirshberger, 3723 Reisterstown Road, Baltimore, \$34,811, for streets and sidewalks at Montgomery Hill, north of Silver Spring.

Miss., Batesville—Panola County Bd. of Supvrs. receives bids Oct. 8 for 1 mi. gravel road, Dist. 2, from point on Como-Crenshaw highway, south.

Miss., Canton—Madison County Bd. of Supvrs. and State Highway Comm., Jackson, receive bids Oct. 2 to extend hard surface highway from Tougaloo, Hinds County to Canton, Madison County.

Miss., Canton—Madison County Bd. of Supvrs. receives bids Oct. 2 for 15,638 mi. State Trunk road between Jackson and Canton; 316,515 cu. yd. excavation and borrow, 91,056 lb. rein. steel; bridges: 373,434 lb. rein. steel; G. A. Draper, State Highway Engr.

Miss., Gulfport—City plans additional surfacing, including road to Municipal Pier.

Miss., Hattiesburg—Executive Committee, Bd. of Trustees, State Teachers College, Joe Cook, Pres., receives bids Oct. 9, to improve grounds of State Teachers College: 1520 sq. yd. 4-in. two course walk, 1150 sq. yd. 2-in. asphaltic conc. surface, 600 lin. ft. 4-ft. to 18-in. curb, 2100 cu. yd. earthwork.

Miss., Starkville—Theo. G. Bilbo, Governor, Jackson, receives bids Oct. 10, for \$70,000 road through campus of A. and M. College; Dr. B. M. Walker, Pres. of College.

Missouri—State Highway Comm., Jefferson City, received low bids for 2 roads: Cole County—4.365 mi. conc. highway, between McCarty and Walnut St., and Jefferson City Country Club, Atkinson Paving Co., Watertown, S. D.; \$50,444; Christian County—3 mi. grading Highway 65, Greene-Christian County line south, Stigall Construction Co., 211½ E. Commercial St., Springfield. 9-13

Mo., Cape Girardeau—City Council receives bids soon to improve 4 streets: Maud, Lormier, William and Middle St., totaling 11 blocks. 8-16

Mo., Jefferson City—City, H. A. Nall, Clk., plans grading, curbing, paving with cement conc., Vista road, from Francis St. to Mo. Pac. Ry.; F. E. Ross, City Engr.

Mo., Jefferson City—City, H. A. Nall, Clk., receives bids Oct. 1 to pave Elmerine Ave., end of pavement east to end of street: 940 cu. yd. excavation, 1112 sq. yd. stone base, and penetration macad. surface course, 770 lin. ft. cement conc. curb and gutter; F. E. Ross, City Engr.

Mo., Kirkwood—City, W. J. Donworth, Clk., receives bids Oct. 1 for 24-ft. wide conc. pavement, integral curb, Simmons Ave.; W. C. Berry, City Engr.

Mo., Moberly—City Council considering surface-treating Morley and Fifth Sts., and establishing improvement districts No. 9 and 10; will gravel Forest Ave. west of Dorser St.

Mo., Savannah—State Highway Comm., Jefferson City, plans letting contracts to complete Jefferson Highway: Grade, construct culverts, and bridge across Platte River.

Mo., Springfield—City plans repaving Jefferson Ave., Walnut to St. Louis St.; widen roadway; construct waterways at St. Louis Ave. intersections with St. Louis and McDaniel St.

Mo., St. Louis—City, Dir. of Streets and Sewers Brooks, plans repaving with Warrenite bitulithic, Enright Ave., Vandeventer to Taylor Ave., cost \$121,830.

N. C., Charlotte—City, R. L. Brown, Commr. of Public Works, considering expending \$9000 to resurface Queens road, East Blvd., and East Eighth St.

N. C., Charlotte—City Commsrs., Marion Redd, Mayor, plan improving Winona Ave.

N. C., Durham—City Council considering extending street from Church St. at Union Station, to Corcoran St.

N. C., Hickory—City Council plans \$350,000 for street paving, etc. See Financial News.

N. C., Statesville—State Highway Comm., Raleigh, plans receiving bids for 13 mi. hard surface, Highway 90, Statesville to Davie County line.

N. C., Thomasville—City, R. H. Cooksey, Mgr., receives bids Oct. 2 for 3500 cu. yd. excavation, 7100 sq. yd. 7-in. conc. paving, 4800 lin. ft. conc. sidewalks, 2100 lin. ft. 8-in. sanitary sewers, manholes, catch basins, 2400 lin. ft. 6-in. water main; William C. Olsen, Inc., Consit. Engrs., Raleigh.

N. C., Winston-Salem—City, W. H. Holcombe, Sec., plans expending \$160,000 for curbs and gutters; \$100,000, roads, streets, highways; \$550,000, street paving. See Financial News.

Okl., Ada—City receives bids soon to pave East Main St. across Katy R. R., with 5-in. rein. conc. surface slab.

Okl., Bartlesville—Washington County Commsrs. considering high water road and bridge across Caney River, south of city.

Okl., Tulsa—Tulsa County Commsrs. and Osage County Commsrs., Pawhuska, considering improving Osage-Tulsa Highway, from Owen Park to Sand Springs; O. G. Weaver, Tulsa County Clk.

Okl., Tulsa—City Comms. plans widening Sixth, Fifth and Seventh St.; paving Seventeenth St., Florence to Harvard Ave., and creating sanitary sewer dist.; paving Thirty-third West, Zenith, Yukon Aves., Thirty-ninth and Fortieth Sts., all Red Fork Dist.; engineer's estimate \$34,610; B. M. Hart, City Engr.

S. C., Greenville—State Highway Comm., Columbia, will let contract in few weeks to pave road to Piedmont, Greenville County; grading completed.

S. C., Marion—State Highway Comm., Columbia, plans improving 7 mi. Coastal Highway in Marion County, from Sellers to intersection of Routes 17 and 217, at approaches to Mars Bluff Bridge on Great Pee Dee River; Dr. Wade Stackhouse, Dillon, Chmn., Coastal Highway Comm.

Tenn., Chattanooga—State Highway Comm., Nashville, will grade 780 mi. district roads and pikes in Hamilton County; E. G. Murrell, County Engr.

Tenn., Chattanooga—U. S. Government will rebuild Hooker road, connecting Rossville, Fayette County and St. Elmo, Hamilton County; \$75,000 appropriated; Quartermaster-General B. F. Cheatham, superintendent work.

Tenn., Chattanooga—City, R. H. Crox, Commr. of Dept. of Streets and Sewers, receives bids Oct. 1 for conc. paving on streets in Paving Dist. Nos. 451 and 502.

Tenn., Columbia—City, Harry W. Frierson, Mayor, considering paving Dunnington and Armstrong St., between Sixth and Seventh; extending sewerage to Galloway St.

Tenn., Columbia—City, Harry W. Frierson, Mayor, plans sidewalks on Sixth, Garden and School St.; resurfacing High and Eighth St.; laying sewers on School and Twelfth St.

Tenn., Memphis—Shelby County Comm., E. W. Hale, Chmn., plans 5 mi. Highway No. 14 through Shelby County, from city limits of Memphis to Mississippi State line; replace present Horn Lake road.

Tenn., Selmer—McNairy County plans expending \$125,000 for road building. See Financial News. 8-23

Tenn., Selmer—City plans graveling Pharr and Cypress Ave. during October.

Texas—State Highway Comm., Austin, granted aid to 6 counties: Cameron County—\$101,500 to pave 7 mi. highway, Harlingen to Willacy County line, widen right-of-way to 80 ft. through towns; Cherokee County—\$54,000, improve Jacksonville to Anderson County highway; Archer County—\$22,000, improve Highway 24, Baylor to Young County line; Lavaca County—\$22,000, Highway 109, toward Fayette County; Galveston County—survey for hard surface road, from Galveston-Houston Highway to Texas City, C. C. Washington, County Engr.; Nolan County—\$37,000, Sweetwater-Coke County line highway.

Tex., Athens—Henderson County, Grover H. Curlee, Judge, plans 5,004 mi. grading, draining, Highway 19, Anderson to line north of Sta. 269 plus 00'; S. J. Treadway, Res. Engr.

Tex., Ballinger—Runnels County Commsrs. Court plans \$200,000 to complete Highway 30, and \$52,000 for lateral roads, all in Road Precinct No. 2. See Financial News.

Tex., Bellaire—City plans permanent paving on various streets.

Tex., Big Spring—Howard County Commsrs. Court considering concreting Highways 1 and 9; improving lateral roads. See Financial News. 7-26

Tex., Brady—McCulloch County considering \$800,000 road building. See Financial News.

Tex., Centerville—Leon County, W. D. Lacey, Judge, plans 12,120 mi. grading, bridges, Highway 32, Madison County line to Centerville; grading and bridges, Highway 32, Centerville to Freestone County line; Nagle-Witt-Rollins Engineering Co., County Engrs.

Tex., Clarendon—Donley County Commsrs. Court considering \$1,000,000 paving on 3 roads: Highway No. 5, through county east and west; Highway No. 88, north and south; 6 mi. Highway No. 75, which is Federal Highway 66; probably improve Highway 52, east from Hedley to Collingsworth County line. See Financial News.

Tex., Clarksville—Red River County Commsrs. Court considering road improvements in Road Dist. 16. See Financial News.

Tex., Dallas—Dallas County, Chas. E. Gross, County Auditor, receives bids Oct. 8 for 4 roads: Grading, draining Buckner Memorial Blvd., East Pike to Garland road, pave East Grand Ave., city limits to Garland road; pave Barnes Bridge road, Emmett Florence Farm to Bill White Farm; Forney Ave. road, city limits to Buckner Memorial Blvd.; Rollins and Clinger, Dist. Engrs.

Tex., Childress—Childress County, W. B. Howard, Judge, plans 13,570 mi. grading, draining, Highway 5, Hall County line to Childress; Sumner D. Bacon, Res. Engr.

Tex., Dallas—Dallas County Commsrs. Court, Charles E. Gross, Auditor, receives bids Oct. 18 to improve Buckner Blvd., Seagoville road to East Pike.

Tex., Edna—Jackson County, John T. Vance, Judge, plans 8,518 mi. grading, draining, Highway 12, Edna to Federal Aid Project 543-C, at Arenosa Creek; bridge and approaches, 168 mi. from end of Federal Aid Project 543-B, Jackson County line to point at Victoria County line; D. K. Shepard, Res. Engr.

Tex., Goliad—Goliad County, J. A. White, Judge, plans 16,959 mi. grading, bridges, Highway 12, Goliad to Bee County line; Henry C. Porter, Res. Engr.

Tex., Hallettsville—City plans \$50,000 to pave court house square, and streets running to square. See Financial News. 8-23

Tex., Houston—City, W. A. Moore, Sec., plans paving Berry St., San Jacinto to Travis; J. C. McVea, City Engr.

Tex., Houston—City, W. A. Moore, Sec., considering paving West Main St., Main to Greeley; J. C. McVea, City Engr.

Tex., Houston—Harris County Commsrs. Court, Norman Atkinson, County Judge, receives bids soon to shell Cardiff road, and shell and grade La Porte cemetery road.

Tex., Jacksonville—City plans street paving. See Financial News.

Tex., Laredo—City, Albert Martin, Mayor, receives bids Oct. 10 for 67,000 sq. yd. bit. paving on 6-in. conc. base: 2-in. hot mixed limestone rock asphalt, Warrenite bitulithic, modified Topeka mix, coarse aggregate bit. conc., Duraco, or 6-in. vibrolithic conc. pavement; Frank G. Heins, City Engr.

Tex., Livingston—Polk County plans \$125,000 roads in Road Dist. No. 1. See Financial News.

Tex., Lockhart—Caldwell County Commsrs. considering \$230,000 improvement on roads and bridges, Precinct No. 3, Road Dist. No. 8. See Financial News.

Tex., Marlin—Falls County considering expending \$2,000,000 to gravel 150 mi. lateral roads. See Financial News.

Tex., Palestine—City plans \$60,000 street improvement. See Financial News. 8-23

Tex., Robert Lee—Coke County Commsrs. considering \$100,000 improvement, north and south highway through county, from Mitchell line above Silver, through Robert Lee to Tom Green line, dirt road to San Angelo. See Financial News.

Tex., San Angelo—City Com. lets contract Oct. 2 for 20 blocks additional paving, including North and South Adams, Third; W. D. Tiner, City Engr.

Tex., San Antonio—City, C. M. Chambers, Mayor, plans widening Goliad St. 43 to 50 ft., South Alamo to Water; I. Ewig, City Engr.

Tex., San Antonio—City Com. plans expending \$174,089 to widen South Alamo St., East Nueva to Lavaca St.

Tex., Woodville—Tyler County plans hard surfacing Hobby Highway, No. 40, between Woodville and through Hardin County line.

Virginia—State Highway Comm., H. G. Shirley, Chmn., Richmond, received low bids for 2 top-soil and natural sand-clay mixture roads: Halifax County—2,216 mi. Route 18, from north corporate limits of South Boston, Marye & Blankenship, Shawsville, Va., \$21,718; Dinwiddie County—519 mi. Route

10, from point north of Poole, including completing Norfolk and Western underpass, J. A. Marrow Construction Co., Soudan, Va. \$5620. 9-6

Va., Lynchburg—City, M. D. Knight, Dir. of Public Works, plans resurfacing with asphalt, Court St., Eleventh to Twelfth.

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, receives bids Oct. 1 to improve Lamb, Woodrow and Cliff Ave.

W. Va., Summersville—Nicholas County Court, C. E. Stephenson, Clk., receives bids Oct. 19 for 7 mi. grading, draining, Duffy Branch-Pershinger road.

W. Va., Summersville—Nicholas County Court, C. E. Stephenson, Clk., receives bids Oct. 19 for 6.75 mi. grading, draining Duffy Branch-Hickman road, 193,484 cu. yd. excavation.

W. Va., Wheeling—Ohio County Commrs. received low bid from A. & O. Holderman, \$31,719, for 4,000 ft. 20-ft. rein. conc. paving, Wheeling, West Liberty and Bethany Pike Road. 9-6

Contracts Awarded

Ala., Andalusia—City let contract to Carter Construction Co., Geneva, \$10,600, for sidewalk paving on Church and Duncan Sts.

Ala., Tuscaloosa—City Comm. let contract to Jones, Rast & Griffin Paving Co., Bessemer, \$8244, to pave streets in Central Highlands, and Eleventh St., Sixth to Eighth.

Ark., Clinton—State forces have under construction 2.23 mi. grading and draining highway to Choctaw, Van Buren County. 9-20

D. C., Washington—Office of Public Buildings and Public Parks let contract to Chas. H. Tompkins Co., 1608 K St., N. W., Washington, \$75,800, for terracing, grading, conc. work, etc., in Meridian Hill Park development, Sixteenth and W Sts., Northwest.

Fla., Miami Shores—New Miami Shores Corp. let contract to Godard & Sydow, 1314 N. E. Second Ave., for 16,000 sq. ft. sidewalks in development.

Ga., Brunswick—City Comm., E. P. Garvin, Mgr., let contract to Langston Construction Co., 26 Wall St., Orlando, Fla., over \$108,000, for 45,000 sq. yd. paving, etc. 8-30

Kentucky—State Highway Dept., Frankfort, let contracts for 4 roads: Harlan County—6.375 mi. grade, drain, Harlan-Shields (Clover Fork road), Garrard & Patterson, Barbourville, \$121,554; Boone County—5.313 mi. rein. conc., Florence-Union-Warsaw road, Ashland Supply Co., Ashland, \$131,429; Bell County—7.470 mi. trafficbound, sandstone, Middlesboro-Pruden road, F. W. Graham, Pineville, \$44,982; Lewis County—18,676 mi. grade, drain, Vanceburg-Greenup road, Sammons & Queen, Louisa, \$168,809. 8-9

La., Oakdale—City let contract to Stanton Construction Co., Leavenworth, Kan., \$18,000, to gravel every street in city limits, 75,000 cu. yd.; Pelican Gravel Co., Lecompte, will furnish gravel. 8-23

La., Shreveport—Shreveport Paving Co., Giddens-Lane Bldg., has contract at \$13,849, to pave with natural rock asphalt Bolinger St., Samford to William, and Murphy, from Allen to Pierce.

Miss., Gulfport—Powers Construction Co., Meridian, \$14,053 for conc. sidewalks on Telephone road, including curbs, gutters and drains.

Miss., Meridian—Lauderdale County Bd. of Supvrs. let contract to John E. Wright Construction Co., 3001 Fifth St., for 1 mi. conc., Meridian-Jackson Highway, into Meridian to Forty-ninth St. 9-20

Mo., Independence—Jackson County Fiscal Court, Leo E. Koehler, County Highway Engr., let contracts for 3 roads: 4.451 mi. Blue Springs-Tarsney road, G. G. Roudabush, Sixty and Walker Sts., Kansas City, \$105,285; 3,481 mi. Raytown road connection, between U. S. Highway 40 and 50, Black Hawk Construction Co., Waterloo, Iowa, \$88,693; 1.319 mi. 18-ft. slab, Winner road, Evanston Station to Athol. Black Hawk Construction Co., \$27,598. 8-30

Mo., Kirkwood—City, Bd. of Aldermen, W. J. Donworth, Clk., let contracts totaling \$58,288, for street paving in various sections: Bangert Bros. Construction Co., 44A South Florissant road; Industrial Track Construction Co., Title Guaranty Bldg.; Jack Stenby, 473 So. Van Buren St. 8-30

Mo., Sedalia—Petts County Court let contract to W. J. Menefee, 240 S. Moniteau St., \$1.80 per cu. yd. for 3 mi. road, from John McCurdy's Farm, north.

Tenn., Chattanooga—Southern Paving Construction Co., Volunteer Life Bldg., has contract for asphalt on McCallie Ave.

Tenn., Ripley—City let contract to Walter J. Bryson, 402 First National Bank Bldg., Jackson, \$57,862, for paving, curb and gutter on various streets.

Tenn., Ripley—Lauderdale County Hard Roads Comm., W. C. Patton, Chmn., let contracts for 5 hard surfaced roads: No. 1—9.48 mi. Ripley to Edith road, Delta Construction Co., Lake Cormorant, Miss., \$68,421; No. 2—6.27 mi. Halls to Porter's Gap, Lightfoot & Doyle, Somerville, \$34,984; No. 3—5.32 mi. Halls to Nankipo, same contractor, \$26,738; No. 4—11.46 mi. Henning to Mack, R. E. Martin, Pulaski, \$55,312; No. 5—1.95 mi., Copperas Springs to Pleasant Hill, same contractor, \$9475. 8-23

Tenn., Ripley—F. E. Warren has contract, about \$19,800, for 18 mi. gravel highway, Tennessee State line through Tippah County 12-A, point near Aguilar to Oilton, H. B. Zachary, Laredo, \$262,194; Kinney County—14.455 mi. grading, draining, Highway 3, Val Verde County line to Brackettville, L. J. Miles, Box 61, Dryden, \$30,477; bridges over 20-ft. spans, Edwin Artman, Box 672, Giddings, \$38,143; Foard County—15.855 mi. grading, draining, Highway 28, Crowell to Wilbarger County line, C. H. McClellan, 1402 Travis St., Wichita Falls, \$39,690; 10.168 mi. Highway 28, Crowell to Good Creek road, E. R. Bryant, Loxley, Tex., \$49,387; Hudspeth County—7.419 mi. grading, draining, conc. H. G. Hwy 1, El Paso County line to Alamo Arroyo, Tibbets Construction Co., 714 Neal P. Andrews Bldg., Fort Worth, \$170,158; Matagorda County—7.332 mi. grading, draining, Highway 58, Pheasant to Palacios, Russ, Mitchell, Inc., Petroleum Bldg., Houston, \$23,645; La Salle County—15.524 mi. Highway 2, Frio County line to Nueces River Bridge, Cage & Ruby, Bishop, Tex., \$46,953; Refugio County—13.785 mi. Highway 57, M. W. Vann & Co., Box 1151, Brownsville, \$72,615; Victoria County—0.559 mi. Highway 12, Goliat-Victoria County line to Victoria, Tibbets Construction Co., \$58,308; Cottle County—16.507 mi. Highway 28, west city limits of Paducah to Foard County line, E. R. Bryant, \$66,969; Knox County—13.181 mi. Highway 30, Baylor County to Haskell County line, R. B. Stroup, Box 14, Sherman, \$35,954; bridges over 20-ft. spans, Sullivan & Davis, Orange, \$16,883; Harris County—0.583 mi. gravel shoulders on both sides, earth shoulders and ditch on left side, Highway 6, Cypress to Hockley, Russ Mitchell, Inc., Petroleum Bldg., Houston, \$14,036; 4.225 mi. grading, draining, gravel and macad. bases, and limestone rock asphalt surface, Highway 73, Eureka Junction to Campbell road, S. A. Starkey, 304 Stewart Bldg., Houston, \$71,914; Hudspeth County—5.123 mi. grading, draining, conc. Highway 1, Alamo Arroyo to Camp Rice Arroyo, Tibbets Construction Co., \$104,905; Robertson County—.511 mi. bridges and approaches, Walnut Creek, 3 mi. north of Calvert, Highway 6, F. P. McElwraith, Corsicana, \$18,713. 9-6

Texas—State Highway Comm., Austin, let contracts for 14 roads, bridge, underpass and 3 culverts: Jim Wells County—9 1/2 mi. limestone base course, H. G. Hwy 12-A, Duval County line to Alice, Hedges Co., Houston, \$49,441; Zavalla County—31 mi. gravel surface, Highway 55, Dimmitt County line to Uvalde County line, Dexter Construction Co., Lovefield Drive, Dallas, \$251,128; Walker County—17 mi. conc., Highway 45, Hinsdale to Grimes County line, Tibbets Construction Co., Fort Worth, \$368,052; Fort Ben County—14 1/2 mi. conc., H. G. Hwy 12, Wharton County line to Rosenberg, Chas. K. Horton, 2202 Clay St., Houston, \$289,724; Fayette County—8 mi. gravel course base, Highway 73, Fayetteville to Austin County line, C. M. Kelley, San Antonio, \$24,101; Shackelford County—17 1/2 mi. bit. conc., Highway 1-A, American Asphalt Co., Allen Bldg., Dallas, \$357,103; Wilbarger County—13 1/2 mi. grading, draining, Highway 28, Vernon to Foard County line, Dickey Bros. & Blanton, Woodson, \$30,845; El Paso County—20 mi. gravel surface, Highway 130, Womble road to Hueco Mountains, Vester & Davis, Two Republics Bldg., El Paso, \$11,940.

In Cass County—22 1/2 mi. bit. macad. surface, Highway No. 8, Marion County line to Douglasville, J. E. Ward & Co., 716 Linz Bldg., Dallas, \$246,010; DeWitt County—4 mi. grading, draining underpass west of Cuero, Highway 81, Word & Worrell, Itasca, \$10,950; Henderson County—17 mi. grading, draining, Highway 31, Smith County line to point east of Murchison, Tibbets Construc-

tion Co., Neal P. Andersen Bldg., Fort Worth, \$281,385; Nueces County—1 mi. conc., Highway 12-A, Corpus Christi, west, Standifer Brothers, Big Wells, \$28,572; Ellis County—4 mi. grading, draining, Highway 6, north of Milford to Hill County line, D. H. Purvis, Box 706, Fort Worth, \$19,875; bridges over 20-ft. spans, F. P. McElwraith, Corsicana, \$22,287; Throckmorton County—10 mi. grading, draining, Highway 23, Throckmorton to Shackelford County line, Huddleston & Works, Crosbyton, \$77,509; Harris County—10 1/2 mi. double bit. surface, Highway 73, Addicks to Katy, S. A. Starkey, 304 Stewart Bldg., Houston, \$146,428; Robertson County—172 ft. timber trestle bridge, creosoted timber pile bents, State H. G. Hwy 6, F. P. McElwraith, \$5948; Starr County—rehabilitate 3 culverts, Highway 12-B, Rio Grande City to Roma, L. E. Sanders, Kebdalla Ave., San Antonio, \$26,133. 9-13

Tex., Dallas—Dallas County Court let contract to American Asphalt Co., Allen Bldg., to surface treat 2 mi. road, near Lisbon.

Tex., Lubbock—City Comm. let contract to Panhandle Construction Co., Lubbock, \$113,316, for 21 blocks of streets and 13 blocks of alley paving in business and residence sections. 9-6

Tex., Sinton—San Patricio County let contract to Ruby & Cage, San Antonio, for 12 mi. gravel and caliche, Mathis-Bluntzer road. 9-6

Va., Portsmouth—City, Frank C. Hanahan, Mgr., let contract to F. J. McGuire, Bkrs. Trust Bldg., Norfolk, to pave with conc. on 19 streets, space formerly occupied by street railway trackage. 8-23

W. Va., Winfield—State Road Comm., Charleston, and Putnam County, let contract to Green & Lotzell, South Charleston, \$36,000, for 4.63 mi. grading, draining, Hurricane-Mount Vernon road. 9-6

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Phenix City—See Roads, Streets, Paving.

Ark., Arkadelphia—City has preliminary plans for sanitary sewers.

Ga., Toccoa—See Roads, Streets, Paving.

Ga., Valdosta—City ordered survey for trunk line sewer with outlet in Mud Swamp; Ware & Clarkson, Sanitary Engrs., State Bd. of Health.

Ky., Owensboro—City plans voting in Nov. on \$1,200,000 sewer bonds. 9-6

La., Port Allen—Louis Voorhies, Engr., 642 Lucille Drive, Baton Rouge, submitted plans to town for sewer system. 8-9

La., Vinton—City considering \$70,000 bond election for sewerage system.

Miss., Calhoun City—City receives bids Oct. 16 for laying mains and water works improvements; Morgan & Co., Engrs., Jackson.

Miss., Flora—City voted \$25,000 sewer bonds. 9-6

Miss., Hattiesburg—City voted sewer bonds. See Financial News. 9-6

Miss., Meridian—City Engr., John C. Watts, completed survey of routing of sewerage to annexed territory; will soon call for bids; expend \$200,000.

Miss., Meridian—City receives bids Oct. 2 for sewers. See Want Section—Bids Asked.

Miss., Pelahatchie—B. E. Walker Construction Co., Jackson, has contract for sewer extension; Morgan & Co., Edwards Hotel Bldg., Jackson, Engrs. 9-6

Mo., Jefferson City—City receives bids Oct. 1 for sewers in Dist. No. 41. See Want Section—Bids Asked.

Mo., St. Joseph—Bd. of Public Works receives bids Sept. 29 for sewers. See Want Section—Bids Asked.

Mo., University City—Clyde L. Israel, 2424 Oakland Ave., Overland, has contract for sewer in sewer Dist. No. 34 and B. E. Taylor, for sewer in Dist. No. 55.

N. C., Charlotte—City, R. L. Brown, Commr. Public Works, has had survey completed for outfall sewer along Brier Creek, cost \$250,000; may vote on bonds; authorized sewer line on S. Tyron St. from Worthington Ave. to city limits.

CONSTRUCTION DEPARTMENT

Manufacturers Record

N. C., Thomasville—See Roads, Streets, Paving.

N. C., Winston-Salem—City authorized issuance of \$285,000 bonds for extending and enlarging sewerage system.

Okla., Choctaw—City plans \$30,000 sanitary sewers.

Okla., Clinton—City plans extending sanitary sewers, in Dist. 19.

Okla., Enid—Hyde Construction Co., American Bank Bldg., has contract for 8200 ft. concrete sewer in Chestnut St.

Okla., Hydro—City plans \$28,000 sanitary sewerage system; Coon & McKinnon, Engrs., Guthrie.

Okla., Shawnee—H. L. Cannady & Co., 1122 S. Lewis St., Tulsa, has contract for 16,000 ft. sewers.

Okla., Tishomingo—City plans \$34,000 sanitary sewerage system.

Okla., Tulsa—See Roads, Streets, Paving.

Tenn., Columbia—See Roads, Streets, Paving.

Tenn., Knoxville—City will let contract Oct. 1 for laying \$500,000 sewers; first 2 contracts include trunk mains and laterals in Williams Creek and Vestal sections.

Tenn., Nashville—Bd. of Public Works approved ordinance authorizing issuance of \$400,000 sanitary sewer bonds, \$100,000 to be used for sewer for Whitland-Sunset Park section. 9-20

Tex., Asherton—City receives bids Oct. 11 for constructing sanitary sewer system and disposal plant; cost \$20,000; Austin P. Hancock, Res. Engr., Dilley.

Tex., Austin—City, Adam R. Johnson, Mgr., receives bids Oct. 4 for storm drains and laterals, sanitary sewers, on Guadalupe St. and in Harris Park Addition, Comal St., Holly St. etc. 9-6

Tex., Dallas—City Engr. Dept. will make survey of East Dallas section for reconstruction drainage system.

Tex., Gunter—Southwestern Sewer Co. will install sewer and disposal plant.

Tex., Houston—City plans expending \$26,000 for drainage on W. Gray Ave.

Tex., Houston—Charles K. Horton, 2202 Clay Ave., low bidder for construction storm sewer on Canal St.

Tex., Jacksonville—See Water Works.

Tex., Hallettsville—City voted \$35,000 bonds for sewer system. 8-23

Tex., San Antonio—B. G. Irish, 401 Navarro St., plans sewer system in 152-acre subdivision; cost \$80,000.

Tex., San Antonio—Capt. Arthur W. Parker and Frank W. Salfingers of Q. M. Dept., Fort Sam Houston, considering installation of sanitary sewer system and disposal works for Randolph flying field near San Antonio on Seguin Road.

Tex., Tyler—City, Sam B. Taylor, Chrmn., City Comm., plans installing sewer system; may vote on bonds.

Street Railways

Tex., Dallas—City Comm. approved purchase of 15 blocks of right of way on Vickery ear line by Dallas Ry. and Terminal Co.; company will expend \$56,000 for improving line.

Telephone Systems

La., Jena—LaSalle Telephone Co. will rebuild telephone exchange.

La., Mansfield—Converse-Mitchell Telephone Co., Inc., capital \$40,000, chartered; F. W. and R. L. Denham.

Tenn., Signal Mountain—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., will expend about \$120,000 for installing dial telephone system.

Tex., Dallas—Southwest Telephone Co., Little Rock, Ark., acquired West Texas Telephone Co., operating 20 exchanges in Texas, Oklahoma and Arkansas; will reorganize Southwest Telephone Co., to be known as Southwestern States Telephone Co., with general offices in Dallas.

Tex., Graham—Interstate Commerce Comm. authorized merger of Independent Telephone Co., Graham, with Southwestern Bell Telephone Co., St. Louis, Mo.; Southwestern Bell Telephone Co., will take over Independent Telephone Co.

Textile Mills

Ala., Athens—Volunteer Knitting Mills may erect addition to mill within 15 months. 9-20

Ala., Huntsville—Helen Mills, capital \$100,000, incorporated; Shelby S. Fletcher, Pres.;

Walter M. Wellman, Sec.; acquired Huntsville Knitting Mills, manufacturing underwear.

Ala., Opelika—Pepperell Mfg. Co., 100 State St., Boston, Mass., moving 300-40 in. Draper looms, opening equipment, 18 spinning frames and considerable miscellaneous equipment from Lowell, Mass., plant; also purchased from Manomet Mills 100 cards which are now being erected erected in plant, to replace those already in use.

La., New Orleans—Maginnis Cotton Mills, 1050 Constance St., has plans by Emile Well, Inc., Archts., Whitney Annex, for 3 story, brick and frame building at Calliope and Magazine Sts.; cost \$35,000.

Miss., Gulfport—New Industries Dept. of Mississippi Power Co. negotiating for establishment of mill; main building, auxiliary structures and homes for 50 employees; manufacture cotton yarns for use in manufacture hosiery and underwear.

N. C., Asheville—American Enka Corp., 114 E. 32d St., New York, reported, establish viscose rayon plant in Hominy Creek Valley near here; cost about \$10,000,000; purchased site of 2000 acres, part of which will be for town for employees; buildings will be 1 story type, occupying 75 acres; main building L-shaped, with arms 1600 and 1100 ft. long and 330 ft. wide; wood pulp to be shipped from Canada; utilize about 6000 tons annually; A. F. L. Moritz, V., and Ch. Engr.; a water supply of about 5,000,000 gals. daily will be obtained from Hominy Creek while connection will be made to Asheville water system for domestic and emergency purposes; county will improve road leading from Highway No. 10 to plant site and will pave and light within six months Russell Jones Rd. from city limits to south margin of property; bus lines will be extended and telephone service provided; Southern Railway will erect station to be called Enka; about 2 miles of siding will be installed by American Enka Corp.; housing will be provided for 20,000; Lockwood Greene Engineers, Inc., 100 W. Forty-second St., New York, reported, engineers for project.

N. C., Saxapahaw—Sellers Mfg. Co. will install 2000 spindles.

S. C., Autun—Bernard Davis, Pres., LaFrance Textile Industries, Inc., Adams St., Philadelphia, Pa., announced purchase of Pendleton Mfg. Co.; manufactures paddings and laundry nets.

Tenn., Bemberg, P. O. Elizabethton—American Bemberg Corp., increased capital \$17,500,000 to \$31,500,000, to provide for additional equipment and expansion. 9-13

Tenn., Kingsport—Kingsport Silk Mills erect silk mill, 180x165 ft., 1 story, brick, steel sash and glass, daylight construction; Lockwood, Greene Engneers, Inc., Charlotte, N. C. reported engineers. 8-23

Tex., New Braunfels—Texas Gauze Mills increased capital, \$22,700 to \$75,000.

Va., Alexander—Wallace & Herring will erect 1 story, brick building N. W. Cor. West and Oronoco Sts., building to be occupied by Harry Aroushon Throwing Co., 21 Market St., Paterson, N. J. 8-23

Va., Waynesboro—Du Pont Rayon Co., Inc., 32d St. and 4th Ave., New York, reported, let contract to A. J. Saville, Electric Bldg., Richmond, for spur track from Norfolk and Western Ry. into grounds of cellulose acetate plant; plans for roadway through Lithia Park and along river have been prepared and route laid out; S. Heyward, Asst. Engr. of Construction; first unit of plant probably consist of power house, chemical building, 3-story factory for spinning, storehouse and 6 smaller buildings. 9-13

Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Fla., Tampa—Jack McGucken, Contr., 204 Governor St., submitted plan for building aerator to purify drinking water at cost of \$33,422; W. E. Mick, Water Supt. 9-6

Ga., Toccoa—See Roads, Streets, Paving.

La., Mansfield—City let contract to Central Foundry Co., Comer Bldg., Birmingham, Ala., for Universal pipe; Columbian Iron Works, 2501 Chestnut St., Chattanooga, Tenn., for hydrants and valves; H. M. Silver, Mansfield, Gen. Contr., at \$15,000, for water works extensions. 8-16

La., New Orleans—Sewerage and Water Bd. let contract to Dibert, Bancroft and Ross & Co., Ltd., New Orleans, for 7 pumps for drainage system at \$19,800 each; Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., at \$281,500 for 15,000 kw. turbine; making surveys for new canals and enlarging existing ones; work to begin in Nov. 8-2

La., Sulphur—C. B. Stewart, 406 Third St., Baton Rouge, has contract at \$35,300 for water works; Chicago Bridge & Iron Works, 37 W. Van Buren St., Chicago, for furnishing 50,000 gal. tank; Layne-Louis and Co.; Sulphur, for water well; fire hose, Eureka Fire Hose Co.; contract for meters and service connections will be let later; L. J. Voorhees, 642 Lucile Drive, Baton Rouge, Engr. 8-23

Mo., Poplar Bluff—City plans voting on \$225,000 bonds for water works. 7-19

N. C., Thomasville—See Roads, Streets, Paving.

N. C., Winston-Salem—City plans issuing \$150,000 bonds for water works; will obtain additional water supply, by bringing water from either Yadkin River on Dan River; line will be constructed direct to city, establish filter plant, etc.

Okla., Butler—City plans \$15,000 water works extension; Milliken & Whitneck, Southwest Natl. Bank Bldg., Oklahoma City, Engrs.

Okla., Hennessey—City plans water main extension.

Okla., Henryetta—G. M. Brown, McAlester, has contract for purification plant.

Okla., Locust Grove—A. T. Hogle, Muskogee, has contract for water works including c. i. pipe, pumps, etc.

Okla., Loveland—City plans water works extension; D. E. Powell, Engr., Frederick.

Okla., Mangum—City receives bids Oct. 2 for water softening plant, including pumps.

Okla., Nardin—City plans \$20,000 water works extension.

Okla., Okmulgee—City plans water main extensions; W. C. Halleck, City Engr.

Okla., Terral—City having surveys made by Milliken & Whitneck, Southwest Natl. Bank Bldg., Oklahoma City, Engrs.

Okla., Thackerville—City has preliminary plans for \$16,000 water works.

Okla., Wyandotte—City has preliminary plans for water works.

Tenn., Knoxville—City plans constructing steel reservoir of 150,000 gal. capacity in Washington Pike residential area.

Tenn., Memphis—City, James Sheahan, Supt. Water Dept., expend \$85,000 for water works improvements.

Tex., Big Spring—City and T. & P. R. R., making joint survey to determine feasibility of erecting dam at Moss Springs for permanent water supply.

Tex., Brackettville—City let contract to H. G. Olmstead, 721 N. El Paso St., El Paso, for making survey for proposed water works system.

Tex., Denton—Tibbetts Construction Co., Joseph Bldg., Fort Worth, has contract at \$15,705 for settling tank. 9-6

Tex., Granger—City votes Oct. 16 on water works bonds. See Financial News. 8-30

Tex., Jacksonville—City votes Oct. 23 on \$250,000 water and sewer extension bonds.

Tex., Bryan—City, J. Bryan Miller, Mgr., plans enlargement of water works system.

Tex., Houston—City, James H. B. House, Water Commr., plans erection of additional reservoir of 1,500,000 gal. capacity on site between Park Place and Harrisburg.

Tex., San Antonio—U. S. Government, Capt. F. W. Arnold, Q. M. Brooks Field, receives bids Oct. 4 for furnishing labor, tools and equipment for replacing old pipe and laying additional water pipe. 8-9

Tex., San Antonio—B. G. Irish, 401 Navarro St., plans distributing system in subdivision on South St.

Tex., Seguin—Paul Schriewer has contract at \$36,810 for water works improvements. 8-30

Tex., Stinnett—City voted \$37,000 water works bonds. 8-16

Tex., Weslaco—J. E. Penick has contract for 100,000 cylindrical water tank; L. S. Valley & Co., Second National Bk. Bldg., Houston, for pumps. 9-6

Va., Norfolk—Director of Public Works receives bids Sept. 27 for water pipes and valves. See Want Section—Bids Asked.

Woodworking Plants

Fla., Miami—Elberta Crate and Box Co. formed by consolidation of Simmons-Hector Crate Co., Tallahassee, with Elberta Crate Co., of Bainbridge, Ga.; Harry H. Hector, Pres.; headquarters at Miami.

FIRE DAMAGE

Ala., Lamison—Frost-Sibley Co.'s saw mill.
Ala., Sylacauga—W. C. Baker's residence, Sylacauga-Talladega Highway.

Ala., Tuscaloosa—Dry kiln of Tuscaloosa Heading Mills; loss \$8000.

Ark., Batesville—Dwelling owned by John M. Cook Estate, occupied by J. J. Fowler, Spring St.

Ark., Fayetteville—Ray Parker's residence, S. Hill St.; loss \$6000.

Ark., Goshen—Canning plant owned by Keeney Bros.; loss \$10,000.

Fla., Longwood—Rev. David M. Douglass' residence.

Fla., Jacksonville—Florida Paper Co., River'side Viaduct; warehouse on Atlantic Blvd., occupied by W. C. Yankey.

Ga., Midville—Dwelling of Willie Stevens.

Ky., Louisville—Norman Lumber Co., Ninth and Magnolia Sts., yards; loss \$300,000.

Ky., Louisville—J. Stegar Tobacco Co.'s factory, loss \$50,000; Illinois Central Ry. Co., owner.

Ky., Louisville—Kentucky Sanitary Bedding Co.'s warehouse, 117 S. Ninth St.; loss \$50,000.

La., Elton—Five houses, including barber shop of John Guillory.

La., Garyville—Lyon Lumber Co.'s lumber yard; 10 residences.

Md., Funkstown—Funkstown Flour Mill.

Md., Frederick—Jessie N. Smith's garage; loss \$9000.

Miss., Hattiesburg—City water plant.

Miss., Macon—W. M. Lankerson's residence.

Miss., McComb—McComb Wholesale Grocery Co.'s store; loss \$100,000.

Mo., Broseley—C. S. Brown's store, loss \$27,000.

Mo., St. Louis—Columbian Club, 3917 Lindell Blvd.; loss \$8000.

N. C., Williamston—Colored School. Address School Board.

Okla., Miami—Ore mill at Patty C Zinc and Lead Mine; loss \$100,000; Pearl Mining Co., owner.

S. C., Greenville—Dr. J. L. Mann's residence, 221 Park Ave.

S. C., Lake City—Graveley's Tobacco Warehouse and several out buildings owned by Huggins & Pragg, Sumter; loss \$50,000.

Tenn., Bailey—Chickasaw Creamery building; loss \$25,000.

Tenn., Dyersburg—Plant of Dyersburg Sawmill Co.

Tenn., Memphis—Over 800 ft. of \$3,000,000 Harahan Bridge over Mississippi River; loss, several hundred thousand dollars. Address Dept. of Highways and Public Works, Nashville.

Tenn., Nashville—S. I. Cason Grocery Co.'s 2 warehouses, 3rd and Russell Sts.; loss \$8000.

Tenn., Poplar Springs—Anderson Bros.' merchandise store; loss \$125,000.

Tenn., Poplar Springs—Anderson Bros.' store; loss \$10,000.

Tenn., Shelbyville—Carter Arnold's residence.

Tenn., Tullahoma—V. R. Raney's meat market; Busy Bee Cafe; W. E. Bowen Electric Shoe Shop; Mrs. E. W. Current's building; Orion Pyle's cafe.

Tex., Big Sandy—Study hall of Jarvis Christian Institute for Negroes.

Tex., Rosebud—Farmers' Union Warehouse containing 1700 bales cotton.

Tex., Ennis—M. G. Swafford's residence.

Tex., El Paso—Portion of Sunlite Bakery Co., 2400 E. Yandell Blvd.; loss \$20,000.

Tex., Littlefield—Dormitory at Littlefield College; loss \$20,000.

Tex., Waco—Municipal clubhouse; loss \$8000.

Va., East Radford—R. L. Quesenberry's dwelling, Forest Ave., occupied by Otto Cochran.

Va., Front Royal—Irvin G. Bierer's residence, Front Royal-Winchester Highway; loss \$25,000.

Va., Ocean View—Raleigh Hotel, 77-81 Ocean View Ave., owned by H. M. Shriner, 1522 Morris Ave., loss \$30,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

La., New Orleans—Salvation Army receives bids Sept. 28 for remodeling 3-story brick building, Baronne and Terpsichore Sts.; Moise H. Goldstein, Archt., Hibernia Building. 9-6

Md., Frederick—Francis Scott Key Post, American Legion, Col. D. John Markey, member, will erect clubhouse or purchase building for quarters.

Okla., Ardmore—Aahmes Grotto, A. A. O. N. M. S., raising \$250,000 for artificial lake and clubhouse near Ardmore.

Tenn., Chattanooga—Chattanooga Trades and Labor Council, W. L. Bork, member, plans Labor Temple.

Tenn., Knoxville—Young Men's Christian Assn., Roscoe Word, Pres., Bd. of Trustees, soon have plans completed by Barber & McMurry, Archts., Tenn. Genl. Bldg., for \$350,000 building, Clinch Ave. and Locust St.; 4 stories and basement, 125 residence rooms; furnishings, equipment, etc., \$50,000. 3-15

Tenn., Smithville—Robt. L. Steffens Post No. 180, American Legion, erect clubhouse and dance hall, old Confederate Park.

Va., Salem—Taylor Lodge No. 23, A. F. & A. M., erect \$20,000 to \$25,000 Colonial temple; Broad St.; brick, 2 stories, 32x80 ft.; Jas. F. MacTier, Rosenberg Bldg., Archt., Roanoke.

Bank and Office

La., Monroe—Dr. J. B. Kendall, Ruston, Felix Drae, Minden, and others, having plans drawn by Jones, Roessle, Olschner & Weiner, Archts., Ardine Bldg., for 12-story Medical Arts Bldg.; 250 offices; 3 top floors for hospital. 9-6

Okla., Tulsa—Hill-Hubbell Paint Co. erect \$80,000 office bldg.; 4 stories.

Mo., St. Louis—Jos. A. Mrazek, 3142 Park Ave., erect 2-story office and residence, 3680-64 Gravols St.; brick; O. A. Prokes, Archt., 4838 Terrace Ave.; plans completed.

Tex., San Antonio—Groos National Bank, Franz Groos, Pres., have plans ready about Oct. 1 for \$500,000 bank and office building; brick, rein. conc. and struct. steel, probably 10 stories and basement, 63x86 ft.; Henry T. Phelps, Archt., Hicks Bldg.; Beretta, Stiles & Co., Consrt. Engrs., Natl. Bank of Commerce Bldg. 8-23

Tex., San Antonio—J. M. Nix, 205 E. Travis St., about ready for bids for 18-story office bldg. and garage, Navarro and College Sts., \$1,500,000, brick and stone, steel frame, L. shape, 168x114 ft., 8 floors for garage, about 135 offices on 10 remaining floors; Henry T. Phelps, Archt., Hicks Bldg.; Beretta, Stiles & Co., Consrt. Engrs., National Bk. of Commerce Bldg. 7-12

Va., Richmond—M. C. Patterson, care Hillcrest Realty Co., Grace Amer. Bldg., erect \$50,000 to \$75,000 office building, Fourth and Grace Sts.; 2 1/2 stories; stores on portion of first floor.

Churches

Ark., Prescott—First Methodist Church erect \$90,000 building; M. W. Elkins & Co., Little Rock, are offering \$45,000 6% first mortgage bonds.

Fla., Fort Myers—First Baptist Church soon let contract for \$30,000 Sunday school unit of \$140,000 structure; accommodate 300; later raze present auditorium and erect 2-story and balcony church; seat 1200. Address The Pastor.

Fla., Tallahassee—Trinity Methodist Church erect \$75,000 Sunday school; brick, steel and tile, 3 stories; Frank A. Winn, Jr., Archt., 207 1/2 Twigg Ave., Tampa.

Ga., Atlanta—Shearith Israel Congregation, Sidney Zimmerman, Pres., having plans drawn by Chas. H. Hopson, Archt., Healey Bldg., for \$100,000 synagogue, 496 Washington St., S. W.; rein. conc. and struct. steel.

trusses, brick walls, stone trim, 1 and 2 stories and basement, comp. roof, steam heat. 9-20

La., Greenwood—Methodist Church erect brick building to replace burned structure; Edw. F. Neild, Archt., City Bank Bldg., Shreveport.

Mo., Cape Girardeau—First Presbyterian Church has plans by Hal Lynch, Archt., Dolphin Bldg., St. Louis, for \$40,000 Sunday school, 227 Broadway, 2 stories. 7-19

Md., Baltimore—Second Presbyterian Church, Rev. R. G. Leetch, Pastor, 2522 N. Charles St., erect \$150,000 church and parsonage, 3107 N. Charles; 1 and 2 stories; Palmer & Lambdin, Archts., 513 N. Charles; C. L. Reeder, Mech. Engr., 916 N. Charles.

Mo., Luxemburg, St. Louis—St. Andrews R. C. Church, Rev. A. Mayer, Pastor, 307 Hoffmeister St., considers erecting brick building.

N. C., Raleigh—Sacred Heart Cathedral, Rev. Thos. Griflin, Pastor, plans building, W. Edenton St.

Okla., Konawa—Baptist Church erect \$20,000 brick bldg.; Hawk & Parr, Archts., Cotton Ech. Bldg., Oklahoma City.

Okla., Tulsa—Second Church of Christ, Scientist, Clyde L. Sears, member, Kennedy Bldg., plans \$50,000 bldg.; natural stone, 1 story and basement, 50x100 ft.; H. H. Mahler, Archt., 204 1/2 E. Third St.

Okla., Tulsa—Christian Church plans building. Address The Pastor.

S. C., Greenville—Christ Church, John W. Arrington, Jr., Clarendon Ave., Chmn., Bldg. Comm., receiving bids on addition to parish house; \$12,000 to \$15,000, 2 stories; plans J. E. Sirrine & Co., Engrs.

Tenn., Chattanooga—B'Nai Zion Congregation, S. H. Frank, 512 Main St., Chmn., Finance Comm., raising funds for \$150,000 synagogue.

Tenn., Nashville—First Baptist Church has permit for \$25,000 brick building, Sixth and Main Sts. Address The Pastor.

Tex., Beaumont—Bethlehem Evangelical Church, Rev. H. A. Kuebel, Pastor, raising funds for building.

Tex., Corpus Christi—First Presbyterian Church plans building, S. Broadway. Address The Pastor.

Tex., Irvington—Methodist Episcopal Church organized with P. D. Perry, L. N. Camp, and others, stewards; plans building.

Tex., LaGrange—Sacred Heart R. C. Church plans church and other buildings. Address The Pastor.

Tex., Ozona—Baptist Church has low bid from Meriwether & Sauer, Harlingen, for \$35,000 church and Sunday school; Will N. Noonan Co., Archt., Bldrs. Exch., Bldg., San Antonio. See Want Section—Building Material and Equipment. 9-13

Tex., San Antonio—Alamo Baptist Church, W. L. Campbell, Treas., plans tabernacle.

Tex., San Antonio—Christ Church has low bid from Jas. Aiken for parish house; John M. Marriott, Archt., Frost Natl. Bank Bldg. 9-13

Tex., Waco—First Methodist Church, Rev. L. L. Felder, Pastor, having plans drawn by H. F. Cason, Archt., Cameron Bldg., for \$40,000 Sunday school, Fifth and Jackson Sts. 4-5

City and County

Ala., Birmingham—Jefferson County Court House Comm., Oscar Wells, Pres., W. E. Henley, Vice-Pres., have plans by Oct. 10 for bids on courthouse, Capitol Park; \$3,000,000 to \$3,250,000, fireproof, 8 or 9 stories, about 185x300 ft. 8-16

Ark., Little Rock—City, Mayor Lawhon, considers erecting baseball stadium.

Ark., Paragould—City Council considers erecting \$50,000 city hall; 2 stories, 100x116 ft.; stores, fire station, jail and locker on first floor; 51x78-ft. auditorium, courtroom, offices, etc., on second.

CONSTRUCTION DEPARTMENT

Manufacturers Record

Fla., Bonifay—Holmes County Bd. of Comrs. erect \$12,000 addition to jail; brick and rein. conc.; C. H. Glass, Archt., 302 Franklin St., Tampa.

La., New Orleans—City, A. S. Montz, City Archt., receives bids Oct. 2 for stone tile and face brick stable, Sixth and Saratoga Sts.; \$15,000, 1 story, 75x95 ft., rein. conc. foundation, asbestos roof. 8-18

La., Shreveport—Additional contractors estimating on \$500,000 municipal auditorium, bids Sept. 27 by City Comsn. Council, Murch Bros. Construction Co., Rwy. Exch. Bldg., St. Louis, Mo.; Jas. T. Taylor, Fort Worth, Tex.; Watson Co., 1927 S. Akard St., Dallas, Tex.; Jones, Roessle, Olschner & Weiner, Archts., Ardis Bldg.; Seymour Van Os, Asso. Archt., Merch. Bldg., both Shreveport. 9-20

Miss., Hattiesburg—City Comn. voted \$75,000 bonds, including amount to erect fire station, near Kamper Park; also repair fire station No. 3.

Mo., St. Louis—Board of Public Service, Room 208, City Hall, receives bids Oct. 16 for Fire Engine House No. 15, Broadway near Spruce St., plans, etc., from office Pres., Room 304, and office Director of Public Safety, Room 426.

S. C., Columbia—City Commission probably soon call for bids for \$300,000 auditorium-center building: fireproof, rein. conc., brick, stone trim, struct. steel beams, trusses, etc., comp. roof; Lafaye & Lafaye, Archts., 1224 Sumter St. 6-28

Tenn., Chattanooga—City Commission may call election Nov. 6 on \$525,000 bonds, including amounts for market and stadium for schools.

Tex., Bryan—City Council erect city hall.

Tex., Galveston—Galveston County, E. B. Holman, County Judge, may call bond election for improving court of civil appeals building or erecting a new building and repairing courthouse and jail.

Tex., Jacksonville—City votes Oct. 23 on \$250,000 bonds, including amount for city hall. Address City Council.

Tex., Richmond—Fort Bend County Comrs., Court, H. N. Darst, County Auditor, receives bids Oct. 11 for new jail work and appurtenances: plans from Southern Prison Co., San Antonio, and seen at office County Auditor, Courthouse.

Tex., Temple—City Comsn., G. E. Hyars, City Mgr., receives bids Oct. 9 for city hall: \$160,000, brick and rein. conc., fireproof; Milton W. Scott & Co., Archts., 412½ Franklin Ave., Waco. 9-6

Tex., Tyler—City Comsn., Sam B. Taylor, Chmn., considers erecting fire sub-station.

Tex., Uvalde—City Council erect stucco city hall.

Tex., Waco—City Comsn. considers rebuilding club house noted burned at \$8000 loss.

Tex., Wichita Falls—Wichita County Bd. of Comms., receive bids Oct. 15 to remodel jail: new steel door, safety entrances.

Va., Altavista, Brookneal, Gwynn or Chatham—Counties of Campbell, Amherst, Pittsylvania, Henry and Halifax elected Henry County to consider site near Altavista, Gwynn, Brookneal or Chatham and to have plans drawn for district almshouse. Address Henry County Bd. of Supervisors, Martinsville. 9-15-27

Dwellings

Ala., Birmingham—F. C. Basenberg, 2128 N. 12th Ave., erect brick veneer residence, Redmont Park; 2 stories, 40x33 ft.; C. H. McCauley, Archt., Jackson Bldg.

Ark., Fort Smith—Charlie Wood, N. 14th St., erect \$12,000 brick veneer residence, Lela Ave.; 2 stories, rigid asbestos roof, steam heat; Chris Reichardt, Archt., First Natl. Bk. Bldg.

Ark., Forrest City—Louis McDaniel erect brick veneer residence; 2 stories and basement, 68x48 ft., oak floors, comp. or tile roof, tile baths, steam heat; Estes W. Mann, Archt., Cotton Exch. Bldg., Memphis, Tenn.

Ark., Pine Bluff—Adam Robinson started work on \$12,000 Dutch Colonial residence, 13th and Poplar Sts.; 2 stories; Henry Culpepper, Contr.

D. C., Washington—Porter & Lockie, Archts., Bldg., drawing plans for 2½-story stone dwelling.

D. C., Washington—Norman C. Rogers has permit for stone residence, 3314 Rittenhouse St., N. W.; \$16,000, 2 stories.

D. C., Washington—Robt. Munro, 1901

Wyoming Ave., has permit for 2 brick dwellings, 618-22 Fern Place, N. W.; 2 stories, \$16,000.

D. C., Washington—Endina B. Johnson has permit for 2 dwellings, 2814-16 Thirty-ninth St., N. W.; 2 stories, brick and tile; \$30,000.

D. C., Washington—H. C. Ball, 912 15th St., N. W., has permit for brick residence, 2609 Woodley Place, N. W.; 2 stories, \$11,000.

D. C., Washington—E. M. Willis, 927 15th St., N. W., has permit for 5 brick dwellings, 1815-23 Ingleside Terrace, N. W.; 2 stories, \$25,000.

D. C., Washington—C. H. Small, 925 15th St., N. W., has permit for 2 dwellings, 3509-13 Reno Road, N. W.; 2 stories, br.ck, \$16,000.

Fla., Daytona Beach—R. E. Olds, Lansing, Mich., and 120 Halifax Ave., Seabreeze, Daytona Beach, probably soon call for bids for Italian type tile and stucco residence, 1412 S. Peninsular Drive; \$100,000, 2 stories and basement, 9 rooms and bath, tile roof, Baker system oil heating; John Rogers Co., Archt., 508 Bellevue Ave., Daytona Beach. 2-2

Fla., Daytona Beach—Mt. Zion A. M. E. Church erect \$16,000 parsonage, Second and Spruce Sts., stone and tile, 2 stories.

Fla., Tampa—Tampa Tribune has permit for \$11,500 dwelling, Ladoga Ave.

Ga., Atlanta—C. W. Cary erect 2 brick veneer dwellings, 933-39 Highland View, N. E.; 1 story; \$16,500.

Ga., Atlanta—H. M. Atkinson, Elect. and Gas Bldg., erect \$100,000 residence, W. Andrews Drive; face brick, marble trim, 2 stories and basement, hardwood and tile floors, conc. foundation, slate roof, steam heat; Cooper & Cooper, Archts., Bona Allen Bldg.; plans ready about Oct. 25.

La., New Orleans—Ralph Taylor erect brick veneer residence; 1 story, oak floors, slate and comp. roof, warm air heat, oil burning equipment; Favrot & Livaudais, Ltd., Archts., Hibernia Bank Bldg.; bids Sept. 28.

La., New Orleans—P. R. Monroe, 5225 Pitt St., erect raised brick and tile residence, Audubon St. near Ann St.; 2 stories, 38x54.10 ft.; M. H. Goldstein, Archt., Hibernia Bank Bldg.

La., Shreveport—David Lide, Giddens-Lane Bldg., has low bid at \$14,900 from M. C. Brown, City Bank Bldg., for residence; Henry E. Schwarz, Archt., Slattery Building. 9-13

Md., Baltimore—Arrow Real Estate Co., S. 16th St., erect 10 dwellings and store and dwelling, 600 block S. Ponca St.; \$25,000.

Md., Baltimore—H. W. Bauersfeld, 1114 S. East Ave., erect cottage, Magruder Ave. and Fairfield Drive, Summit Park.

Md., Baltimore—Thos. J. Tingley, Munsey Bldg., erect \$20,000 residence, Homelands; brick, 2½ stories; Cyril H. Hebrank, Archt., Cent. Sav. Bank Bldg.

Md., Baltimore—Dr. S. Demarco, 1604 Linden Ave., erect \$25,000 stone residence, Old Orchard Road and Woodside Ave.; 2½ stories; F. Thomas, Archt., 726 E. 33d St.

Mo., Clayton, St. Louis—Chas. A. Wood, 1541 Lewis St., erect 8 brick dwellings, Eldridge St., Webster Heights; 24x26 ft.; \$14,400.

Mo., St. Louis—R. J. Orthwein, care D'Arcy Advertising Co., 1501 Locust St., erect \$100,000 brick residence, Denny Road near Manchester Road; Maritz & Young, Archts., Chem. Bldg.

S. C., Greenville—Frank R. Henry, Masonic Temple, erect residence, McDaniel Ave.

Tenn., Johnson City—Carr Bros. erect 2 dwellings, Wilson Ave., and 2 on Highland Ave.

Tenn., Johnson City—L. C. Allison erect residence, E. Maple St.

Tenn., Knoxville—Harrie T. Best erect \$10,000 residence, Chamberlin Drive; conc. tile, 8 rooms.

Tenn., Memphis—H. Dlugach Co., 149 Madison Ave., considers erecting 20 dwellings, University Circle, in units of 5; brick veneer, stone trim, oak floors, tile baths, comp. shingle roofs, hot water heat, garages; \$100,000.

Tenn., Memphis—J. A. Riggs, 250 N. Auburndale St., erect \$15,000 brick veneer duplex, Overton Park Ave. near Evergreen St.; 2 stories and basement, 35x50 ft., oak floors, tile roof and bath, steam heat; Claude Northern, Archt., Fid. Bk. Bldg.

Tenn., Nashville—Allen Dobson, 3500 Byrum Ave., erect stone veneer residence, Jackson Blvd.; 1 story and basement, 85x60 ft., oak and pine floors, tile baths, steam heat; Tisdale, Stone & Pinson, Archts., Ind. Life Bldg.; bids in.

Tex., Houston—H. G. Fields, Pub. Natl. Bank Bldg., erect 2 duplexes and garages, 1706-1714 Hazard St., Wilfran Addition; brick veneer, 10 rooms, 2 stories; \$20,000.

Tex., Houston—McGranahan Investment Co., Post-Dispatch Bldg., erect number dwellings, Quitman St., Hanley St. and Liberty Road.

Tex., Houston—S. E. Brooks, 2614 Noble St., erect \$10,000 residence, 2308 Isabella St.; brick veneer, 10 rooms.

Tex., Houston—Ewart H. Lightfoot, 3702 Audubon St., erect \$18,000 residence, 810 Waugh Drive; brick veneer, 2 stories.

Tex., Houston—E. E. Clark, 4726 Walker St., erect \$10,000 residence, 2515 Pelham St.; brick veneer, 2 stories; L. R. Hayes, Archt., 533 Yale St.

Tex., Houston—Harry F. McClung, 2314 Caroline St., erect brick veneer residence, South Blvd. and Mandell St.; 2 stories; B. P. Briscoe, Second Natl. Bank Bldg., Archt.; bids Sept. 24.

Tex., Houston—C. F. Gabil erect \$10,000 residence and garage, 3005 Isabella St., Washington Terrace; brick veneer, 2 stories, 10 rooms.

Tex., Mercedes—Don Warner erect \$12,000 residence; tile and stucco, 1 story, hardwood and tile floors, tile roof; R. Newell Waters, Archt., Weslaco.

Tex., Odessa—Texas Pipe Line Co., Hous-ton, erect dwellings for officials.

Tex., Odessa—Phillips Petroleum Co., Bartlesville, Okla.; erecting gas plant at Crane, erect dwellings for officials.

Tex., San Angelo—Frank Friend receives bids Oct. 3 (lately noted Sept. 17) for English type brick veneer residence; 2 stories, 10 rooms, 2 baths; Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio; separate bids for plumbing, heating and wiring. 9-13

Tex., San Antonio—C. M. Hooker, care Robt. B. Kelly, Archt., 336 Milam Bldg., receives bids Sept. 29 for English type residence; \$30,000, brick, 2 stories, 3 baths, separate bids for plumbing, heating and wiring. 7-26

Tex., San Antonio—Judge R. F. Spencer erect Early Georgian type rock residence, Olmos Park; 2 stories, 9 rooms, 3 baths, slate roof; Ralph H. Cameron, Archt., both City Natl. Bank Bldg.

Tex., San Antonio—R. C. Roos, 215 E. Park Ave., erect face brick and hollow tile residence, Elsmere St. near McCullough St.; 2 stories, 9 rooms, 2 baths; Glenn C. Wilson, Archt., Milam Bldg.

Tex., San Antonio—F. A. Hornaday, 308 Augusta St., erect Colonial residence, Kingshighway near Howard St.; brick, 2 stories, 9 rooms, 2 baths; Ralph H. Cameron, Archt., City Natl. Bank Bldg.

Tex., Victoria—E. and P. Welder erect \$100,000 residence; brick and conc., 2 stories, 15 rooms; Page Bros., Archts., Austin Natl. Bank Bldg., Austin, and Brownsville.

Government and State

D. C., Washington—Following contractors estimating on construction (except mechanical equipment) of 8-story and basement fireproof extension to Government Printing Office, bids Oct. 15 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt.: M. A. Long Co., Albee Bldg., Washington, and Long Bldg., Baltimore, Md.; Consolidated English Construction Co., Lexington Bldg., both Lexington Co., Lexington Bldg., all Baltimore; Algernon Blair; A. C. Samford, both Montgomery, Ala.; Chas. H. Tompkins Co., 1608 K St., N. W.; James Baird Co., 1800 E St., N. W.; Geo. A. Fuller Co., Munsey Bldg.; Wm. P. Lipscomb Co., Inc., Dist. Natl. Bank Bldg.; Arthur L. Smith & Co., 2525 Pennsylvania Ave., N. W.; Geo. Hyman Constr. Co., 1010 Vermont Ave., all Washington; English Construction Co., 15 W. 91st St., New York; Yeager & Sons, Danville, Ill.; Murch Bros. Construction Co., Rwy. Exch. Bldg., St. Louis, Mo.; N. P. Severin Co., 222 W. Adams St.; Fleischer Engineering and Construction Co., 410 N. Michigan Blvd., both Chicago, Ill.; J. H. Wiese Co., O. W. W. Bldg., Omaha, Neb.

Following estimating on mechanical equipment (except elevators), bids same date: W. G. Cornell Co., 19 Patterson St., N. E.; Standard Engineering Co., 2129 I St., N. W., both Washington; Virginia Engineering Co., First Natl. Bank Bldg., Newport News, Va. 9-20

La., Arabi—Commanding Officer, Q. M. Depot, Jeffersonville, Ind., receives b'ds Oct. 5 for brick lodge, Chalmette National Cemetery; plans from Q. M. Depot and from Supt. of Cemetery.

Tenn., Memphis—Following contractors estimating on extension to DeSoto post office sub-station, \$175,000, bids Oct. 9 by

Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.; H. A. McGuire & Co., Dermon Bldg.; Gauger-Korsmo Construction Co., Fid. Bank Bldg.; S. & W. Construction Co., all Memphis; Algernon Blair, Montgomery, Ala.; Therlault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.; Thos. W. Cissel, Beth. Tr. Bldg., Bethlehem, Pa.; W. C. Stout & Sons, 719 Maury St.; F. J. Ozanne & Co., 306 Empire Bldg., both Memphis; A. C. Samford, 601 Washington St., Montgomery, Ala.; Walter Petersen, Wilkinson Bldg., Omaha, Neb.; W. D. Lovell, 1415 Eighth St., S. E., Minneapolis, Minn.; Devault & Deitrick, Massillon Road, Canton, Ohio; N. P. Severin Co., 222 W. Adams St.; V. L. Nicholson Co., 102 W. Clinch St., Knoxville, Tenn. 9-13

Tex., Corsicana—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., has low bid at \$71,488 from W. D. Lovell, 1415 Eighth St., S. E., Minneapolis, Minn., for extension to and remodeling post office. 8-18

Va., Hampton Roads, Norfolk—Navy Dept., Bureau of Yards and Docks, Washington, D. C., probably start latter part of year to rebuild Pier No. 7, Hampton Roads Naval Operating Base, Capt. W. H. Allen, Ch., Public Works Dept.; \$135,000 available to dredge approaches to pier 45 feet deep, work probably start in 1929.

Hospitals, Sanitariums, Etc.

Fla., Lake City—United States Veterans Bureau, J. Ernest Price, Exec. Officer, Constr. Div., Arlington Bldg., Washington, D. C., advises bids rejected for alterations to Bldg. No. 4, U. S. Veterans Hospital. 9-13

Ga., Atlanta—City has low bid at \$19,383 from Geo. A. Clayton Co., Bona Allen Bldg., for remodel work, Grady Hospital; plans by C. E. Kauffman, City Engr., City Hall. 8-16

Ga., Alto—Grand Lodge of Georgia, A. F. & A. M., Dr. D. C. Thrash, Chmn., Bldg. Comm., 157 Forest Ave., N. E., Atlanta, having plans drawn by Levy & Clarke, Archts., Blum Bldg., Savannah, for \$75,000 cottage, State Tuberculosis Sanatorium; furnishings, equipment, etc., \$19,000. 9-13

Ga., Milledgeville—Following contractors estimating on \$500,000 hospital unit, Georgia State Sanatorium, bids Oct. 18: H. B. Nelson Construction Co., Box 448; Claussen-Lawrence Construction Co., 1394 Gwinnett St., both Augusta, Ga.; J. S. McCauley Co., Bona Allen Bldg.; Carr Construction Co., Candler Bldg.; Southern Ferro Concrete Co., 70 Ellis St.; W. P. Francis, 201 Luckie St., N. W., all Atlanta, Ga.; J. F. DuPree Sons Co., Rome, Ga.; Batson-Cook Co., West Point, Ga.; A. C. Samford, Shepherd Bldg., Montgomery, Ala.; Daniell & Beutell, Archts., Healey Bldg., Atlanta. 9-13

Ga., Waycross—Ware County votes Nov. 6 on \$250,000 hospital bonds. Address Bd. of Comrns.

La., Alexandria—Rev. Claude K. Smith, Pineville, interested in erection of \$235,000 hospital to be under supervision of Methodist Church; \$115,000 available; raising \$125,000.

La., Shreveport—Charity Hospital rejected bids for fireproofing and alteration work to front section and erection of clinic building at rear and receives new bids Oct. 16: \$150,000, 10 additional beds, stucco, 3 stories, steel and conc. work, terra cotta roof, elevator; Seymour Van Os, Archt., Merch. Bldg. 8-30

Md., Baltimore—Home for Incurables, C. Braxton Dallam, Pres., Bd. of Trustees, Stock Exch. Bldg., probably have plans ready about Oct. 1 for \$130,000 addition to building, 40th St. and Cedar Ave.; brick, 4 stories; W. W. Emmart, Archt., Union Tr. Bldg.; Henry Adams, Mech. Engr., Calvert Bldg. 4-26

Md., Perry Point—United States Veterans Bureau, L. H. Tripp, Ch., Constr. Div., Arlington Bldg., Washington, D. C., has low bid at \$14,631 from J. Geo. Bensel, 3005 Shannon Drive, Baltimore, Md., for porches on Bldgs. Nos. 1 to 5, U. S. Veterans Hospital. 8-23

Miss., Biloxi—Biloxi City Hospital, Dr. G. F. Carroll, Chmn., Bldg. Comm., receives bids Oct. 8 for fireproof hospital; rein. conc., brick, steel, stone trim, 3 stories, steam heat, elect. elevator; Carl E. Matthes, Archt.

Mo., Chillicothe—Livingston County, F. W. Cornue, Chk., Bd. of Comrns., votes Nov. 6 on hospital bonds.

Mo., Nevada—Vernon County Bd. of Comrns., J. V. Edmondson, Chk., considers erecting \$185,000 hospital; brick, 2 stories.

Okla., Blackwell—Dr. W. M. Leslie erect 14-room addition to Leslie Sanitarium; brick, X-ray equipment.

Tenn., Memphis—United States Veterans' Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., receives bids, in triplicate, Oct. 30, for recreation building and covered passage, including road, walk, curbs and grading at U. S. Veterans Hospital; work includes excavating, rein. conc. construction, hollow tile, brick work, cast stone, marble work, floor and base tile, iron work, steel sash, iron stairs with slate treads, slate, metal and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, insect screens, painting, glazing, hardware, plumbing, heating, elect. work, and outside sewer, water, steam and elect. distribution systems; drawings from Constr. Div., Room 764, Arlington Bldg. 5-31

Tex., Beeville—Bee County votes Oct. 20 on \$125,000 hospital bonds. Address Bd. of Comrns.

Tex., Port Arthur—Roman Catholic Hospital Bd., D. P. Sheeks, Chmn., having plans drawn by Maurice J. Sullivan, Archt., Second Natl. Bk. Bldg., Houston, for \$350,000 St. Mary's Infirmary. 8-18

Tex., Sanatorium—State Bd. of Control, R. B. Walthall, Chmn., Austin, receiving bids for conc., frame and stucco negro cottages, State Tuberculosis Sanatorium; 1 story; Phelps & DeWees, Archts., Gunter Bldg., San Antonio.

Hotels and Apartments

Ala., Birmingham—L. F. Ebersole, 2109 First Ave., N., has permit for \$10,500 apartment, 78th St., N., between First and Sloss Aves.

Ala., Birmingham—Gen. Louis B. Clark, 1926 N. 4th Ave., receiving bids at office E. B. Van Keuren, Inc., Archt., 407 Comer Bldg., erect addition and remodel 5-story and and basement, brick and stucco hotel, 5th Ave. and 23d St.; \$100,000, built-up roof, new basement, steel columns, new plumbing, electric wiring, elevator, marble and terrazzo floors. 5-31

Ala., Gadsden—A. P. Reich Hotel Co., Inc., Adolph P. Reich, Pres., erect 10-story, 100x50-ft., 150-room, fireproof hotel, Broad and 7th Sts.; Georgian type, Agricola brick, stone trim, 14 one-story shops; D. O. Whilldin, Archt., 515 N. 21st St., Birmingham.

D. C., Washington—M. G. Lepley, 1010 Vermont Ave., reported, preparing plans for 12-story, brick, 1000-room hotel, Pennsylvania Ave. and 6th St., N. W.; 8 stores on ground floor.

D. C., Washington—G. E. Crawford, 405 People's Life Insurance Bldg., erect \$100,000, 4-story, brick apartment, 15th St. and Rhode Island Ave., N. E.; J. G. Herrobert, Archt., 2213 Naylor road, S. E.

D. C., Washington—A. J. Howard, erect \$125,000, 6-story, brick apartment, 720 Third St., N. W., D. L. Stern, Arch., both 142 Eye St., N. W.

D. C., Washington—Shannon & Luchs, 1435 K St., N. W., have permit for three 2-story brick apartments, 2603-05 O St. and 1404 26th St., N. W.; also 2-story brick apartment, 1410 26th St., N. W.; \$55,000.

D. C., Washington—Samuel Brill, 35 N St., N. W., and M. H. Katz, Convention Hall Mkt., erect \$13,000, 2-story, brick apartment, 46 O St., N. W.

D. C., Washington—Virginia Hotel Co. has permit to install 3 show windows and make interior improvements, 1325 New York Ave., N. W.; \$16,000.

La., New Orleans—R. Mackenroth, 4433 Canal St., soon call for bids for \$40,000, 2-story, hollow tile, 21-apartment, 4433 Canal St.; tile and comp. roof, built-in features, Murphy beds, tile baths, hot water heaters; A. J. Nelson, Archt., 207 Camp St.

Md., Baltimore—Little Inn, Misses Frances & Jean Gilmore, Prop., 506 N. Broadway, plan addition; B. L. Keyes, Archt., Central Savings Bk. Bldg.

Miss., Ruleville—Ruleville Hotel Co., A. L. Pentecost and others, receives bids Oct. 3 for \$50,000, 2-story and basement, rein. conc., brick, stone trim hotel; built-up comp. roof; Emmett J. Hull, Archt., Merchants Bank and Trust Co., Bldg., Jackson. 9-6

Mo., Taney County—E. A. Hadley, Ch. Engr., Missouri Pacific R. R. Co., St. Louis, advises company does not know of any tourist hotel development near Table Rock dam. 9-20

Mo., Maplewood, Sta. St. Louis—Liebert, Reilly & Floum erect \$12,000, 30x96 ft., brick flat, 2317-23 Oakview Terrace.

Mo., St. Joseph—Charles Dennis, Archt., prepared plans for 3-story, brick, Spanish type apartment, 22d and Union Sts.; tile roof.

N. C., Winston-Salem—Burton Brothers have permit for \$15,000, 30x40 ft., brick, 16-room apartment on Hawthorne road.

Okla., Oklahoma City—Marmaduke Corbyn, 204½ W. 2d St., erect \$500,000 Metropolitan Apartment, 10th St. and Harvey Ave.; 147x100 ft., brick, cut stone trim, Spanish type, 110 apartments, 8 shops and parlor on ground floor, 60-car garage, elevators; Hawk & Parr, Archts., First Natl. Bldg.

Tenn., Chattanooga—Frank H. Dowler, 619 Walnut St., erect \$85,000, 3-story, brick, 12-room apartment on High St.

Tenn., Memphis—E. M. Carr, care H. A. Gaither, First Natl. Bank Bldg., erect 2-story and basement, brick veneer apartment, Poplar Ave. and McNeil St.; comp. roof, oak floors, tile baths, stone trim, electric refrigeration, steam heat.

Tex., Houston—J. M. King, Pub. Natl. Bk. Bldg., erect \$10,000, 4-apartment, 3715 Raymond St.

Tex., San Antonio—Mrs. Caroline Siler, 122 Davis Court, erect 6-story, 102x48 ft., brick veneer and rein. conc., Amer. can type, 50 to 60-apartment, S. Alamo and E. Market Sts.

Tex., San Antonio—Irving Frost has permit for \$30,000, 24-room apartment, Ogden and Dewey Sts.

Tex., San Antonio—Lee A. Adams, 311 W. Woodlawn St., has permit for \$12,000, 16-room addition to apartment, N. Alamo St.

Tex., San Antonio—Paul Sheffer, 1508 Main Ave., erect 2-story, brick veneer, 32-apartment, McCullough and Hu'sache Sts.; Spanish type, oak floors; Ferguson & Wood, Contrs., 1014 Drexel St.; J. Clyde & Percy Williams, Archts., Moore Bldg.

Tex., San Antonio—Lopez de Iara, 710 Baltimore St., has permit for stucco apartment.

W. Va., Charleston—Fleetwood Hotel, Henry F. Butts, Mgr., plans 6-story, fireproof, 135-room addition on Summers St., to be used as entrance; remodel lobby, first and second floors of present building on Capitol St. for store for Silver Brothers to cost \$40,000; elevator.

Miscellaneous

Ark., Little Rock—Mayor Lawhon and business men interested in erection of \$100,000 conc. baseball stadium.

Ark., Texarkana—Witt, Seibert & Halsey, Archts., preparing plans for Ben and Jane Collins Home for Women.

Fla., Englewood—French Memorial C. E. Assembly, C. S. Hartridge, Chmn., erect 1-story, 50x100-ft. brick building for dining hall, kitchen, auditorium and showers; auditorium to seat 800 people; tile floors; Clare S. Hosmer, Archt., 139 Ringling Blvd., Sarasota.

Ga., Atlanta—Standard Club, Simon Selig, Pres., 313 Washington St., receives bids Oct. 5 for \$125,000, 2-story and basement, 87x138 ft., frame building, 396 Ponce de Leon Ave., N. E.; Hentz, Adler & Schutze, Archts., Candler Bldg.; Robt. S. Fiske, Const. Engr., Healey Bldg.; following contractors estimating: George A. Clayton Co., Bona-Allen Bldg.; Barge-Thompson Co., 136 Ellis St., N. E.; Norwood Griffin Co., Bona-Allen Bldg.; Wagar & Co., Norris Bldg.; Brazell & Miller; J. S. McCauley Co., Bona-Allen Bldg.; H. W. Oliver, Silvey Bldg.; S. J. Warner, 52 Auburn St., N. E.; Collins, Holbrook, Collins, Atl. Tr. Bldg., and W. P. Francis, Luckie St. See Want Section—Building Material and Equipment. 9-20

La., Marrero—Wm. R. Burk, Balter Bldg., New Orleans, receives bids Oct. 5 for two 2-story, rein. conc., brick, stone trim wings to Mrs. John Dibert Administration Bldg. at Hope Haven Farm, for Roman Catholic Church of Diocese of New Orleans; following contractors estimating: Geo. J. Glover Co., Inc., Whitney Bk. Bldg.; J. A. Hasse, Jr., 916 Union St.; J. A. Petty & Sons, Inc., Godchaux Bldg. Bldg.; Geary-Oakes Co., Queen & Crescent Bldg., all of New Orleans; J. A. Duhe, Hahnville.

La., New Orleans—Young Men's Gymnasitic Club, 224 N. Rampart St., remodel and erect addition to club building for temporary quarters; Diboll & Owen, Archts., Canal Bank Bldg.; bids in. 9-20

Okla., Tulsa—Waite Phillips, Petroleum Bldg., plans to start work in October on Children's Home; Smith & Senter, Archts., Commerce Bldg., Okmulgee.

Okla., Tulsa—B. D. Harris having plans prepared by Smith & Senter, Commerce Bldg., Okmulgee, for building at 615 S. Frisco Ave. for The Paso Robles Club, Inc.; Spanish type.

CONSTRUCTION DEPARTMENT

Manufacturers Record

Tenn., Memphis—Memphis Aero Club erect \$10,000 clubhouse on Hollyford road; Anker F. Hansen, Archt., Shrine Bldg.

Railway Stations, Sheds, Etc.

Fla., Miami—H. N. Rodenbaugh, V.-P., Florida East Coast Railway Co., St. Augustine, advises will not erect locker building. 9-20

Ga., Atlanta—Georgia Public Service Comm. and Nashville, Chattanooga and St. Louis R. R., H. McDonald, Ch. Engr., Nashville, Tenn., approved plans for union station to replace present station used by this road and allied lines; \$500,000, red face brick, limestone trim, separate stairways leading to tracks. 8-30

Miss., Bay St. Louis—Louisville and Nashville R. R., W. H. Courtenay, Ch. Engr., Louisville, Ky., soon call for bids for \$50,000, 2-story, 125x30 ft., stucco over tile or brick station; 40-ft. shed. 8-9

Tenn., Chattanooga—Nashville, Chattanooga and St. Louis Rwy., H. McDonald, Ch. Engr., Nashville, expend \$166,000 for improvements to Union Depot; entire exterior will be refinished and improved, interior enlarged and redecorated, new terrazzo floors, plumbing fixtures installed, 10-ft. alley closed and waiting room extended.

Tex., Beaumont—Texarkana and Ft. Smith Ry. Co., W. G. Morgan, Ch. Engr., Texarkana, subsidiary of Kansas City Southern Ry. Co., G. P. Williams, Engr. and Asst. to Pres., Beaumont, erect 2-story depot and office in connection with \$1,000,000 development program for improvement of properties at Dowling yard, between Beaumont and Nederland.

Schools

Ala., Birmingham—Bd. of Education, D. E. McKinley, Bus. Mgr., receives bids Oct. 5 for additions to Graymont Elementary School; work to be divided into following base bids: (1) General work; (2) plumbing, sewer and gas fitting; (3) heating and ventilation; (4) electric work; plans at office Bd. of Education, Warren, Knight & Davis, Archts., Empire Bldg., and Wm. B. Ittner, Const. Archt., Bd. of Education Bldg., St. Louis. 9-20

Ala., Daphne—State Bd. of Education, Dr. R. E. Tidwell, Supt., Montgomery, plans expending \$150,000 for improvements at Daphne Normal School.

Ala., Montgomery—Bd. of Education erect 2-story and basement, brick, stone trim junior high school in Capitol Heights; built-up roof, conc. and terrazzo floors, fireproof, steam heat; Frederick Ausfeld, Archt., Shepherd Bldg.

Ala., Seale—Russel County Bd. of Education, H. B. Hamner, Supt., received bids Sept. 28 for 1-story brick veneer school in Mt. Airy Community.

Ark., Little Rock—North Little Rock Special School Dist., W. H. Phipps, Sec., receives bids Oct. 22 for \$500,000, 4-story and basement, brick, conc. and stone trim high school, 22d and Main Sts.; separate bids for general contract, plumbing, electric work and heating and ventilating; George R. Mann, Wanger & King, Archts., New Donaghay Bldg. 8-23

D. C., Washington—District Comms., Room 500 D'strict Bldg., rejected bids for 16-room school, including combination gymnasium and assembly hall, 19th, 20th, Franklin and Evart Sts., N. E.; have plans revised and call for new bids; A. L. Harris, Municipal Archt. 9-6

D. C., Washington—Government, E. C. Finney, Room 6117 Interior Dept., 17th and F Sts., N. W., ready for bids about Oct. 1 for \$190,000, 5-story, brick dormitory, Howard University, 5th and W Sts.; A. I. Cassell, Archt. for University. 1-26

Ga., Fort Gaines—City votes Oct. 3 on \$50,000 school bonds. Address Bd. of Education.

Ga., Rome—Martha Berry School received low bid at \$132,445 from H. G. Fleming Co., Bona Allen Bldg., Atlanta, for 2-story and basement, rein. conc., brick, stone trim dormitory; plumbing and heating, \$9320, Landers Plumbing Co., 205 Luckie St., N. W., Atlanta; conc. roof, steam heat; Cooper & Cooper, Inc., Archts., Bona Allen Bldg., Atlanta. 9-13

Ky., Bowling Green—Bd. of Education receives bids Oct. 2 for 3-story fireproof Jr. High School and gymnasium; plans from Marr & Holman, Archts., 702 Stahlman Bldg., Nashville, Tenn. 7-12

Ky., Louisville—City votes Nov. 6 on \$3,000,000 school bonds; address City Bd. of Education.

Ky., Sulphur—Sulphur Consolidated School Dist. voted \$26,000 bonds to erect school; Mrs. Lucy Smith, Sec., Henry County Bd. of Education, New Castle. 9-20

La., Baton Rouge—Louisiana State University erect \$40,000, 2-story, brick, fireproof creamery building; asbestos slate roof; Wogan & Bernard, Archts., Canal Bk. Bldg., New Orleans.

La., Lafayette—Lafayette Parish School Bd., J. W. Faulk, Supt., soon call for bids for schools at Youngsville, Scott, Milton, Burke-Judge and Duson; Wm. T. Nolan, Archt., Canal Bk. Bldg., New Orleans.

La., Monroe—Louisiana State University, Baton Rouge, authorized purchase 160-acre site for State Cotton Experiment Station.

Md., Baltimore—St. Joseph's Monastery School, Rev. J. F. Vayson, 3601 Frederick Ave., ready for bids in 2 months for \$500,000, 1 and 3-story, stone building; Palmer & Lambdin, Archts., 513 N. Charles St. 8-2

Miss., Holcut—Holcut Consolidated School Dist. Trustees soon call for bids for 6-room and auditorium brick school. 8-23

Mss., Orange Grove—Orange Grove Special School Dist. Trustees receive bids Oct. 15 for \$25,000, 1-story, rein. conc., brick, stone trim, 8-classroom school; built-up roof, wood floors; Vinson B. Smith, Jr., Archt., Real Estate Bldg., Gulfport. See Want Section—Building Material and Equipment. 9-20

Mss., Oxford—Following contractors estimating on girls' dormitory, dining hall and kitchen addition to girls' old dormitory, 2 boys' dormitories at University of Mississippi, bids Oct. 11: J. B. Hanson & Co., Inc., 769 Vance St., Memphis, Tenn.; Algernon Blair, Montgomery, Ala.; I. C. Garber, Jackson; Wessell Construction, 388 N. Front St., Memphis; T. S. Moudy & Co., Chattanooga, Tenn.; Earl L. Blevins, West Point, Miss.; A. C. Samford, Montgomery; W. J. McGee & Son, Jackson; H. G. Fleming Co., Atlanta, Ga.; mechanical contractors: Alonzo B. Hayden, Inc., Pass Christian; C. V. Cox, Water Valleys; W. F. Jackson Co., Dameron Bldg., Memphis; Ester-Reed, Millsaps Bldg., Jackson; J. R. Feaselle, Laurel; Peters Heating Co., 121 S. President St., Jackson; Frank P. Gates Co., Archt.-Engr., 507 Edwards Hotel Jackson. 9-20

Miss., Vidalia—Hanock County Bd. of Education, Bay Saint Louis, call for bids in about 30 days for \$12,000, frame school; 6 classrooms, comp. roof; Vinson B. Smith, Jr., Archt., Real Estate Bldg., Gulfport.

Mo., Kansas City—Lincoln & Lee University, L. L. Lyons, Continental Bldg., having sketches revised for buildings for \$5,000,000 University, 75th and State Line Sts.; E. Buehler Delk, Archt., Meyer Blvd. and Ward Parkway; C. Klauder, Consrt. Archt., 1416 Chestnut St., Philadelphia; Hare & Hare, Landscape Archts., Huntzinger Bldg., Kansas City. 3-31-27

Mo., St. Louis—Bd. of Education, R. M. Milligan, Commr. of School Bldgs., has low bid at \$234,900 from Dunham Construction Co., 316 Chemical Bldg., for 3-story and basement, 226x87 ft., brick and rein. conc. grade school, Vandeventer Ave. and Russell Blvd.; plumbing, \$12,495, Jos. F. Tumalty Plumbing Co., 1214 Pine St.; heating and ventilating, \$37,935, Peters Eichler Heating Co., 1516 Pine St.; vacuum cleaning system, \$3316, Lahey Heating and Ventilating Co., 111 N. 3d St.; electric work, \$11,732, S. & S. Electric Co., 1422 Pine St. 8-23

Mo., St. Louis—Bd. of Education, R. M. Milligan, Commr. of School Bldgs., received low bid at \$13,290 from International Co., 705 Market St., for 1-story, 74x28 ft., brick addition to Mt. Pleasant School, 4528 Nebraska Ave.

N. C., Charlotte—Smith University has permit for \$100,000, 1-story, brick church on campus.

N. C., Charlotte—City School Bd. plans addition to Alexander Graham Jr. High School; \$125,000 to \$150,000.

N. C., Lexington—Davidson County votes Oct. 16 on \$20,000 bonds for Tyro Consolidated School Dist. Address Bd. of Education.

N. C., Raleigh—School Committee of Raleigh Township, H. F. Srygley, Sec., 203 Professional Bldg., received bids Sept. 28 for high school; \$300,000, 3 stories and basement, rein. conc., brick, stone trim, built-up roof; conc. and terrazzo floors; plans from Wm. Henley Dietrick, Archt., 219 Professional Bldg.

Okl., Tulsa—City, Frank Newkirk, voted \$1,750,000 school bonds. 8-30

Tenn., Spring City and Dayton—Rhea County voted \$200,000 bonds for rebuilding combined high and grammar school at Spring City and high school at Dayton; Rhea County Bd. of Education, Dayton. 3-8

Tex., Austin—St. Edwards University, Rev. Dr. Joseph Burke, Pres., erect 4 cottages to house senior class.

Tex., Beaumont—Bd. of Education call for bids in few days for \$900,000 high school in Oaks addition; F. W. Steinman & Son, Archts., San Jacinto Life Bldg. 6-7

Tex., Houston—Houston Ind. School Dist., H. L. Mills, Bus. Mgr., erect, remodel and erect additions to Bellaire, Post Oak and De Zavala schools; L. Q. Cato, Bankers Mortgage Bldg., Archt. for Bellaire and Post Oak structures; H. D. Payne, Kirby Bldg., Archt. for latter; bids in.

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., received low bids on following schools: Alexander Hamilton Jr. High—12-classroom and swimming pool addition, \$72,900, Universal Construction Co., Bagby St.; plumbing, \$7260, Warren-Shivers Co., 305 Hagerman St.; heating, \$7456, Dixie Heating and Ventilating Co., 111 Fannin St.; electric, \$2945, Balcke Electric Co., Chronicle Bldg.; L. A. Glover, Archt., Binz Bldg.; Milby High shop building, \$11,788, C. W. Raper, 1131 Hts. Blvd.; L. A. Glover, Archt.; Stonewall Jackson Jr. High—shop building, \$13,600, Baco Construction Co.; L. Q. Cato, Archt., Bankers Mortgage Bldg.; James S. Hogg Jr. High—\$15,980, E. G. Macay Co., Post-Dispatch Bldg.; B. P. Briscoe, Archt., Second Natl. Bank Bldg. 9-13

Tex., Madisonville—Madisonville Ind. School Dist. Trustees ready for bids about Oct. 6 for \$70,000, 1 and 2-story, brick and frame, semi-fireproof high school; Giesecke & Harris, Archts., 207 W. 7th St., Austin, and Houston. 6-14

Tex., Mission—Mission Ind. School Dist., Sid Hardin, Supt., let contract to J. E. Walsh for \$15,000, 1-story, brick and conc. auditorium addition to South Mission School. 9-20

Tex., Oates Prairie—Trustees, Common School Dist. No. 34, rejected bids for \$16,000, 2-story, brick veneer school and receive new bids Oct. 4 at office John McLellan, Archt., West Bldg., Houston. 8-23

Tex., Palestine—City voted \$15,000 school improvement bonds. Address Bd. of Education.

Tex., San Antonio—School Bd. has permit for \$10,000 grandstand, Lavaca St.

Tex., Waco—School Bd. call for bids in about 30 days for additions to Senior High and West Avenue Jr. High schools; former, 2 wings, 78x34 ft., 3 stories and basement, with connecting link 2 stories; 17 classrooms, music rooms, band room, teachers' rooms and rest rooms; rein. conc., brick, fireproof; latter, 98x52 ft. addition, auditorium and balcony, basement for additional classrooms, manual training department, shower baths, lockers; T. Brooks Pearson, Archt., 501 First State Bank Bldg. 8-23

Va., Richmond—University of Richmond, Dr. F. W. Boatwright, Pres., plans group of 6 buildings to include biology and physics laboratories, Maryland Hall—dormitory for women of Westhampton College, Library Hall—part of proposed Westhampton unit, Alumnae Hall—student activities building at Richmond College, and Woman's Building; \$875,000; Chas. M. Robinson, Archt., 1002 Times-Dispatch Bldg. 9-20

Va., Williamsburg—Charles M. Robinson, Archt., 1002 Times-Dispatch Bldg., Richmond, receives bids, not later than Oct. 2, for alterations and additions to Library Building, College of William and Mary, Dr. J. A. C. Chandler, Pres.; plans from office Archt.

W. Va., Huntington—St. Mary's Catholic Church, Rt. Rev. Monsignor James P. Brady, Pastor, erect \$75,000 building for St. Mary's Parochial School, Main and Cherry Sts.

Stores

Ala., Birmingham—W. B. Leedy & Co., 112 N. 21st St., soon call for bids for alterations to store, N. 21st St.; \$15,000, limestone front; Chas. H. McCauley, Archt., 709 Jackson Bldg.

Ala., Ensley—J. F. Holley Construction Co., 817 19th St., low bid at \$50,934 for store, 19th St. between D and E Aves., to be leased to Isaac Silver & Bros. Co., 130 Fifth Ave., New York; 2 stories and basement, 58x140 ft., brick and frame, stone trim, vapor steam heat; B. B. Burnham, Archt., 1921 Comer Bldg.

Ala., Mobile—Bledsoe Investment Co., J. T. Bledsoe, Pres., remodel building, Dauphin and Lawrence Sts.

Fla., Pensacola—Frank Nihart erect \$40,000, 1-story, hollow tile and stucco stores; \$40,000; conc. floors, plate glass front; Scott & Peters, Archts., 319 Staples Powell Bldg., Mobile, Ala.

Ga., Atlanta—Ansell-Lapin Stores Co., Inc., 258 Fifth Ave., New York, received low bid from Wagar & Co. for interior and exterior remodeling of 2-story and basement, brick store; R. S. Monday, Archt., both Norris Bldg. 9-13

Ga., Atlanta—Raymond C. Snow, Inc., Archts., Bona Allen Bldg., preparing plans for remodeling first floor of Shrine Mosque Bldg. for show rooms for Kohler Co., Kohler, Wis.; \$15,000, interior tile and marble, terrazzo and tile floors, electric fixtures. See Want Section—Building Material and Equipment.

La., New Orleans—J. R. Patterson received low bid at \$17,696 from Geary-Oakes Co., Queen & Crescent Bldg., for alterations to 2-story, brick store and office, 759 S. Rampart St. and Julia Sts.; improvements include electric wiring and fixtures, carpentry, glazing, heating, hardware, masonry, misc. iron work, metal windows, millwork, plumbing and gas fitting, paving and drains, plastering, cement work, painting, comp. roof, sheet metal work, screening and tile work; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg. 9-13

La., Shreveport—Dr. A. Schmitt and Dr. Henry Lasher soon call for bids for \$50,000, 2-story, rein. conc. brick, stone trim building on Crockett St., between McNeil and Marshall Sts.; M. D. Weeks, Archt.

La., Shreveport—Clarence W. King, Archt., Giddens-Lane Bldg., prepared plans for \$15,000, 1-story, 100x50 ft., rein. conc. and brick store, Louisiana Ave. and Cotton St., for W. C. Agars; 5 store rooms; gids in.

Md., Baltimore—Besche Bros., 1041 Light St., remodel 4-story brick store; J. C. Spedden, Archt., 20 E. Lexington St.

Md., Baltimore—Jacobi's, Inc., Park Bk. Bldg., jewelers, leased 3-story and basement store and dwelling, 26 W. Lexington St., and remodeled.

Mo., St. Louis—S. S. Kresge Co., Kresge Bldg., Detroit, soon call for bids for 2-story brick store; H. Homes, Company Archt., supervise work.

Mo., St. Louis—V. Diesin, care Regerter & Bailey, Railway Exchange Bldg., erect 3-story brick store and apartment, 339-51 Whittier St.

Mo., St. Louis—E. Tiley, care Mauran, Russell & Crowell, Archts., 1620 Chemical Bldg., ready for bds for 5-story and basement, 25x127 ft., brick, rein. conc., terra cotta trim store, 409 N. Broadway; 1 passenger and 1 freight elevator.

Mo., Wellston—Country Day School, R. Thompson, Brown Road, North of Natural Bridge Road, erect \$100,000 brick school; Jamieson & Spearl, Archts., 1116 Arcade Bldg., St. Louis, soon call for bids.

Mo., Wellsville—Bd. of Education, T. E. Vaughn, Supr., erect \$25,000, 2-story, brick high school addition.

Tenn., Greeneville—L. C. Willis and John A. Park erect 40x110 ft. department store on Main St. to be leased to S. L. Brownlee; 10,340 sq. ft. floor space.

Tenn., Memphis—Dave Dermon, Pres., Dave Dermon Realty Co., soon start work on 2 stores; \$40,000, 1-story, brick, 6-store, Barksdale and Lamar Sts.; W. C. Lester, Archt.; \$35,000, brick, 4-store, 1618 Union Ave.; George Awsumb, Archt., all Dermon Bldg.

Tenn., Nashville—H. G. Hill, 500 Second Ave., N., has permit for \$11,000 brick store, 21st and West End Sts.

Tex., Corpus Christi—Fred Boult has permit for 40x120 ft., brick and stucco store, Agnes and 16th Sts.

Tex., Dallas—A. A. Lander has permit for \$10,000, 1-story, brick building, 1917 Greenville St.

Tex., Dallas—C. S. Mitchell soon let contract for \$35,000, 60x135 ft., 2-story 7-store, Davis St. and Edgefield Ave., Oak Cliff.

Tex., Dallas—D. M. Jones, 5921 Swiss St., has permit for 8 stores, 4100-14 Live Oak St.; \$20,000.

Tex., El Paso—Poplar Dry Goods Co., Texas and Mesa Sts., A. Schwartz, Pres., purchased additional property and plans expansion involving between \$300,000 and \$400,000.

Tex., Houston—Chain Store Apparel Corp., New York, leased 14x100 ft. store, 608 Main St., and remodel for Diamond Bros. store.

Tex., Perryton—W. B. Lamaster soon begin work on brick building to be occupied by Shindler Drug Store and Edwards Toggery.

Tex., San Antonio—Stephen, Inc., 301 E. Houston St., remodel store, 310 E. Houston St.; Ralph H. Cameron, Archt., City Natl. Bank Bldg.

Tex., San Antonio—Soledad Company has permit for \$11,000 repairs to building, 120 Soledad St.

Tex., San Antonio—A. Martin Wright Electric Co., 308 E. Houston St., received low bid at \$72,800 from Walsh & Burner, 928 N. Flores St., for 2-story and basement, 120x52 ft., conc. cast stone trim, fireproof sales and display rooms, Navarro St.; excavation and basement work, including all conc. work and columns up to first floor, completed; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg. 9-13

Tex., San Antonio—Kirkwood & Wharton, 456 Main Ave., erect fireproof store and show room, 600 block N. Flores St.; site 116x240 ft.

Tex., San Antonio—Mrs. L. F. Utley, 117 E. Norwood St., erect 1-story, 80x77 ft. brick, stucco, cast stone trim store on Broadway between James and Grayson Sts.; Adams & Adams, Archts., Real Estate Bldg. 9-13

W. Va., Clarksburg—Louis Grecitano and Rocco Zannino erect \$16,000, 2-story, 46x60 ft., brick and conc. store and apartment, E. Pike St., between Charleston Ave. and Joyce St.

Theaters

Fla., Miami—Weed & Virrick, Archts., 427 N. E. Second Ave., preparing plans for auditorium, 16th St. and Biscayne Blvd., for Civic Theater Group.

Miss., McComb—Samuel Ludwig Corp. remodel theater on Main St.

Va., Petersburg—Bluebird Theatre Co., Sam Northington, local representative, having plans prepared for \$150,000 to \$200,000 theatre. Franklin and Adams Sts.; seat 1200 to 1400 people.

Warehouses

Ala., Birmingham—Chas. H. McCauley, Archt., 709 Jackson Bldg., preparing plans for \$60,000, 1 and 2-story, 100x175 ft., brick, conc. and steel warehouse, First Ave. and 15th St.; tar and gravel roof, steam heat.

Ala., Tuscaloosa—Moore-Handley Hardware Co., 25 S. 20th St., W. W. French, V. P., Gen. Mgr., Birmingham, erect warehouse.

Fla., Miami Beach—E. N. and J. F. Mathews, Star Island, erect \$60,000, 2-story, 100x75 ft., fireproof addition to Washington Storage Building, Washington Ave. and 10th St.; bungalow, on top; E. L. Robertson, Archt., 76 N. E. 48th St.

Md., Baltimore—Perel's Fixture Exchange, M. Perel, 241 Harrison St., erect \$40,000, 3-story, brick warehouse, 243 Harrison St.; J. Freund, Archt., 307 St. Paul St.; ready for bids.

Mo., St. Louis—J. A. Marzek, Natl. Moving and Storage Co., 3142 Park Ave., erect 3-story brick warehouse, 3600 Gravois Ave.

Tex., El Paso—Chevrolet Motor Co., subsidiary of General Motors Co., Detroit, plans \$100,000 warehouse.

Tex., Houston—Litowich Bros., Cotton Exch. Bldg., Abe Litowich, Sec., erect \$50,000 cotton warehouse, Inman and Japhet Sts.; 25,000 bale capacity.

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ky., Princeton—Benevolent Protective Order of Elks let contract at \$31,048 to Martin & Warlick, 1580 Central Ave., Chattanooga, Tenn., for lodge bldg.; brick, 2 stories, 95x80 ft., built-up roof; G. Tandy Smith, Jr., Archt., 306 Guthrie Bldg., Paducah. 8-2

Mo., St. Louis—Grand Court of Calanthe of Missouri, let contract to Nolan-Maxwell Construction Co., Rialto Theatre Bldg., for \$350,000 temple, Finney and Sarah Aves.; work started; brick, stone, terra cotta and rein. conc., fireproof, 5 stories and basement, 67x146 ft., 2 elevators, steam heat; 11 stores, 54 offices, 3 lodge halls, assembly room, club-room, roof garden; Chas. H. Wray, Archt., Rialto Bldg. 7-26

W. Va., Ansted—Club Holding Corp., C. E. Mahan, Jr., Pres., Fayetteville, let contract for \$17,000 first unit of \$60,000 clubhouse, Lover's Leap Rock near Ansted, to S. D. McCloud, South Charleston, Charleston; to be for Masonic Country Club of Southern West Virginia; native stone and rough timber, 2 stories and basement; Walter F. Martens, Archt., Masonic Temple Bldg., Charles- 6-28

W. Va., Welch—Independent Order of Odd Fellows, A. P. Walker, member, 99 Hobart St., let excavation contract for \$40,000 to \$50,000 lode building to Green & Stowe, McDowell St.; same firm probably receive gen. contract; brick, steel and conc., 4 stories, self-operated elevator; theater on first floor, lode rooms and offices on second and third, and apartments on fourth; M. A. Watkins, Archt., First Natl. Bank Bldg. 8-16

Bank and Office

Ala., Mobile—Title Insurance Co. let contract to Doullut & Ewin, Inc., Q. & C. Bldg., New Orleans, La., and Mobile, for \$50,000 fireproof office bldg.; rein. conc., steel and brick, 2 stories, tile and wood floors, oil burning heating plant. 9-13

La., Monroe—Dr. J. B. Kendall, Ruston, Dr. W. S. Kendall, Monroe, and Felix Drake, Minden, having plans drawn by Jones, Roessle, Olschner & Weiner, Archts., Ardis Bldg., Shreveport, for \$550,000 Medical Arts Bldg.: plans ready about Oct. 15; face brick, stone trim, rein. conc. frame and floor slabs, fireproof, 12 stories, 75x60 ft., 3 passenger elevators; about 250 offices; hospital on 3 top floors; Churchill-Humphrey Co., Contr., 207 Magnolia Bldg., Dallas, Tex. 9-6

La., New Iberia—Fred Patout erecting addition to Frederic Hotel Annex; 2 stories, 24x40 ft.; to be occupied by Gulf Public Service Co. offices.

La., New Orleans—Wilson-Winfrey Stone Co., Shreveport, has limestone contract for 21-story bank and office bldg. for American Bank & Trust Co.; 2060 tons fabricated

struct. steel, reported, let to Virginia Bridge & Iron Co., Roanoke, Va.; Moise H. Goldstein, Archt., Hibernalia Bldg., New Orleans; Geo. J. Glover Co., Inc., Whitney Bldg., New Orleans, general contract at \$1,409,975. 9-13

N. C., Burlington—Atlantic Bank and Trust Co. let contract for \$200,000 bank and office building to J. R. Owen & Son, 1006 W. Lee St., Greensboro; 9 stories and basement, 35x75 ft., rein. conc., steel, brick veneer and terra cotta, first 2 floors granite, 5-ft. marble wainscoting in corridors, running ice, hot and cold water in each office, built-up roof, steam heat, high speed elevators; C. C. Hartman, Archt., Jeff. Standard Bldg., Greensboro; elect. work, Almance Electrical Co., Burlington; plumbing, Hunt Bros., 407 Walker Ave.; heating, W. W. Dick, 246 Bellemeade St.; elevators, Otis Elevator Co., 322 S. Daniel St., all Greensboro. 8-30

Tex., Houston—Rogers Asbestos Co., Buffalo and Commerce Sts., has contract at about \$10,000 to install smoke stack lining and furnish and install heatng plant boiler insulation for \$4,500,000 Gulf Bldg. for Jesse H. Jones Co., Bankers Mort. Bldg., Houston; Alfred C. Finn, Archt., Bkrs. Mort. Bldg.; Kenneth Franzheim, 345 Madison Ave., and J. E. R. Carpenter, 589 Madison, Consrt. Archts., both New York; American Construction Co., Contr., Gulf Bldg., Houston. 7-19

Churches

La., New Orleans—Baptist Church, La Harpe and Prieur Sts., erecting 1-story addition; E. J. Lamothe, Sr., Contr., 1828 Mandeville St.

Miss., Lexington—Baptist Church let contract for remodeling church and erecting 3-story annex to N. P. Drennan; brick veneer.

Oka., Seminole—Church of Christ started work on \$35,000 semi-fireproof church; 3 stories, 75x75 ft., conc. and oak floors, rein. conc. foundation, built-up roof; furnishings, equipment, etc., \$10,000; R. A. Swartz, Archt., Miami; Cooke & Maxey, Consrt., 1030 N. Hopson St., Shawnee. See Want Section—Building Material and Equipment. 8-20

Tex., McAllen—Methodist Church let contract at \$59,400 to Meriwether & Sauers, Harrington, for brick, hollow tile and conc. building; 2 stories and balcony, 94x134 ft., wood joists and floors; Robt. L. Vogler, Archt., Lipscomb Bldg., Edinburg. 8-23

Tex., Seguin—Emmanuel Lutheran Church let contract at \$20,910 to Goodrun & Nolte, Seguin, for community house; 1 story, balcony and basement, about 68x98 ft., brick, conc. steel roof trusses, wood floors; Marvin Eichenroth & Bartlett Cocks, Archts., Mavrick Bldg.; Beretta, Stiles & Co., Consrt. Engrs., Natl. Bk. of Commerce Bldg., both San Antonio. 8-2

City and County

La., Homer—City Council let contract for \$50,000 city hall to F. C. McClanahan, Homer; rein. conc. and brick, 2 stories, 60x140 ft., rein. conc. foundation, conc. and wood floors, comp. and tile roof; auditorium seat 1000; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 9-6

La., Minden—Webster Parish Police Jury let contract at \$14,996 to F. C. McClanahan, Homer, for jail; conc. and steel, 1 story, 2 rooms; plans by Contr.; L. T. Gilmer, Engr., Minden. 9-13

Mo., Independence—Jackson County let contract for \$30,000 home for negro girls, County Farm, to Fleming Gilchrist, 3515 Broadway, Kansas City; brick, 2 stories; F. Wallace, Archt., Rialto Bldg., Kansas City, Mo. 5-31

N. C., Salisbury—Rowan County Bd. of Comrs., started work on \$50,000 county home; brick and conc., 2 stories, 151x40 ft., with two 65x32-ft. wings; cement and terrazzo floors, conc. foundation, asbestos shingle roof; M. R. Marsh, Archt., Bldrs. Bldg., Charlotte; L. S. Brawshaw, Contr., 413 E. Innis St., Salisbury.

Okl., Oklahoma City—City started work on 1-story fire station; day labor; brick from United Clay Products Corp., 218 N. Harvey St.

Okl., Pond Creek—City let contract for \$18,000 convention hall to Grant M. Buxton, Enid; brick and tile, 1 story, 75x120 ft., conc. foundation, wood and conc. floors, built-up roof; R. W. Shaw, Archt., Enid. 9-20

Tex., Slaton—City Comsn. let contract at \$14,996 to J. B. Maxey, Lubbock, for fire station; brick, 2 stories, 50x50 ft.; E. F. Rittenberry, Blackburn Bldg., Amarillo, and C. V. Head, Slaton, Archts. 9-5

W. Va., Ona—Cabell County Court let contract at \$27,000 to C. W. McNulty for brick and tile building, County Farm; 92x35 ft. with 37x35-ft. wing; J. M. Oliver, County Engr. 9-13

Dwellings

Ala., Athens—Volunteer Village, Inc., started work on 40 frame dwellings for operatives of Volunteer Knitting Mills; 1 story, 28x32 ft., metal roofs, \$1025 each; J. W. Chambers Lumber Co. and Athens Lumber Co., Contrs. 9-20

Ala., Birmingham—W. B. Rowe, 1113 N. 25th St., erect \$12,000 brick veneer residence, Roebuck Springs; 2 stories, 45x32 ft., tile baths, comp. roof, furnace; J. E. Sallie, Archt., 2100 N. Fifth Ave.; owner builds.

Ala., Montgomery—G. A. Grant, care Grant Furniture Co., Commerce St., erect \$15,000 residence, 502 Fairview Ave.; brick veneer, 2 stories, comp. roof; T. A. Powell, Contr., 7 Fobel Court.

Ark., Searcy—W. D. Simons erecting brick veneer residence; 1 story, pine floors, comp. shingle roof; owner builds.

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., have permit for 2 dwellings, 2918-2922 Glover Driveway, N. W.; 2 stories, stone and brick, \$19,000; owners build.

D. C., Washington—Mrs. G. McClure Church, Bishop's Gate, London, England, reported, having plans drawn by J. J. Whelan, 1731 L St., Washington, for \$75,000 three-story brick residence, Tracey Place, N. W.

Fla., Clearwater—Miss Anna McIlvane started work on \$10,000 residence and garage, Lime and Peach Sts.; 7 rooms; Geo. Eichelberger, Contr., East Ave.

Fla., Coral Gables, Miami—Dr. E. P. Ellenson, Chippewa Falls, Wis., erect residence and garage; John & Coulton Skinner, Archts.; E. G. Horne Construction Co., Contr., Box 234, both Coral Gables.

Fla., Miami Beach—Lee Trammell erect \$10,000 residence, 225 Thirty-seventh St.; conc. block, 2 stories, 28x36 ft., tile and wood floors, tile roof; S. J. Hale, Contr., Normandy Isle.

Fla., Miami Beach—E. P. Whelan erect conc. block residence, Alton Road; 2 stories, 30x30 ft., wood floors, comp. and tile roof; B. Kingston Hall, Archt.; Empire Construction Co., Contr., 216 Fifth St.

Fla., Tampa—J. C. Lightsey erect \$11,000 residence; conc. and hollow tile, 2 stories, 45x34 ft., asbestos roof; F. A. Winn, Jr., Archt., 207½ Twiggs St.; Frost Construction Co., Contr., 601 Marvin St.

Ga., Atlanta—P. S. Malon, 506 Thrower Bldg., erect \$16,000 brick veneer residence and garage, 688 E. Morningside Drive, N. E.; 2 stories, 14 rooms, 2 baths, hardwood and tile floors, comp. shingle roof, steam heat; day labor.

Ga., Atlanta—H. Kuniansky, Healey Bldg., erect 4 brick veneer dwellings, 737-41-47-51 Greenwood Ave., N. E.; 1 story, 6 rooms and bath, comp. roof, hot air heat; \$22,000; owner builds.

Ga., Atlanta—N. N. Yancey, 110 Jackson St., erect \$15,000 residence, Oakdale Road, N. E.; brick veneer, 2 stories and basement, hardwood and tile floors, comp. roof, steam heat; owner builds.

Ga., Atlanta—W. H. Sargent, 424 Boulevard, S. E., erect \$12,000 residence, Wesley Ave.; 2 stories and basement, hardwood floors, comp. roof; owner builds.

Ga., Atlanta—Dr. L. H. Smith, 508 Boulevard Place, N. E.; erect 3 dwellings, Amsterdam Ave., N. E.; 6 rooms and bath, hardwood floors, comp. roofs; \$20,000; day labor.

La., New Orleans—A. Harison erect \$10,000 single raised residence, Versailles Blvd., near Apricot St.; Burdette A. Russ, Contr., 4 Paladin Place.

La., New Orleans—A. Harrison erect single raised residence, Versailles Blvd., and Apricot St.; B. A. Russ, Contr., 4 Paladin Place.

La., New Orleans—Tilden J. Wright, Contr., 2679 Lavender St., erect single raised residence, 2688 Lavender.

Md., Baltimore—Albert Star, 2217 N. Charles St., erect 8 brick dwellings, 5307-21 Copley Road; 2 stories, 14x46 ft., hot water heat; \$24,000; owner builds.

Md., Baltimore—Richard Mommers, 3545 Newland St., erect \$10,000 residence and garage, 108 Upnor Road; brick, 2½ stories, 26x40 ft. and 21x21 ft., slate roofs, hot water heat; Lewis & Westenhaver, Archts., 20 E. Lexington St.; Wm. C. Day, Contr.

Md., Baltimore—J. Geo. Eierman, 4331 Belair Road, erect 13 brick dwellings, 4238-62 Eierman Ave.; 2 stories, 14x40 ft., Carey roofs, hot water heat; \$32,500; J. C. Dvorak, Archt.-Contr., 531 N. Milton Ave.

Md., Chevy Chase, Branch Washington, D. C.—S. J. Henry, Pres., F. H. Smith Co., 813 Fifteenth St., N. W., remodel and erect addition to residence, 6 W. Kirk St.; 2 stories; P. M. Julian, Archt., 917 Fifteenth St., N. W.; C. F. Markham, Contr., 1523 L St., N. W., all Washington.

Miss., Jackson—Mrs. R. F. Maynor, 914 W. Capitol St., erect frame duplex, 522 Lynch St.; 1 story and basement, 31x50 ft., wood floors, comp. roof; F. W. Lee, Contr., 332 Baker St.

Mo., Clayton, St. Louis—Mae E. Mullin, 7709 Comfort St., erect \$10,000 residence, Price and Bonhomme Roads, Chevy Chase: brick and stucco, 30x39 ft.; Ed. B. Kelley, Archt., 6625 Delmar Ave.; C. F. Mullin, Contr., 3006 Barthold St.

Mo., St. Louis—L. Ellwanger, 5451 Bates St., erect \$15,000 brick residence, 3941 Kingshighway; 2 stories, 33x37 ft., tile roof, hot water heat; Adolph F. Stauder, Archt., 6032 S. Kingshighway; Gruenwald Construction Co., Contr., 3402 Arsenal St.

Mo., Clayton, St. Louis—John C. Heman, 600 S. Theresa St., erect \$30,000 residence Fair Oaks Estates; brick and stucco, 80x38 ft.; Kennerly & Stiegemeyer, Archts., Title Guar. Bldg.; T. H. Ratz, Contr., 917A Pine St.

Mo., Kansas City—Chas. F. Curry, Vice-Pres., F. C. Sharon Real Est. Co., 107 W. Tenth St., erecting residence, 5255 Ward Pkwy.; 3 baths; Chester E. Dean, Archt., Reliance Bldg.

Mo., St. Louis—John C. Greulich Realty and Investment Co., 3111 N. Grand St., has contract for following dwellings: 861 Park Lane for Walter L. Peiker; 8623 Park for Wm. J. Burris; 8615 Park for Jos. Devaney; 8628 Drury Lane for Wm. Linders; 8564 Park for R. J. Batcher; 8568 Park for A. J. Rakers.

Mo., St. Louis—R. Noonan, 2704 N. Broadway, erect 2 brick dwellings, 1617-25 Grape St.; 2 stories, 28x35 ft., asphalt shingle roofs, warm air heat; \$10,000; G. Becker, Archt., Ferguson, Mo.; W. B. Sommers, Contr., 5733 Kingshighway, N. W.

Mo., University City, St. Louis—Wm. Doran, 5945A Cote Brilliante, erect \$10,000 residence, 7303 Cornell Ave.; brick, 2 stories, 38x32 ft., tile roof, hot water heat; Vincent Mueller, Archt., 7340 LaVeta St.; owner builds.

Mo., University City, St. Louis—C. H. Reinhardt, 6637 Clemens St., erect \$12,000 brick residence, 7326 Cornell Ave.; 2 stories, 37x38 ft., comp. shingle roof, hot air heat, garage; Shannon Merewether, Archt., 410

Dwight Bldg., Kansas City; Schooley & Chamblin, Contrs., 6038 Delmar Ave., Suite B.

N. C., Charlotte—V. P. Loftis, started work on \$20,000 residence; brick veneer, 2 stories, hardwood and tile floors, slate roof; M. R. Marsh, Archt., both Bldrs. Bldg. See Want Section—Building Material and Equipment.

N. C., Salisbury—Salisbury Development Co., erecting dwelling; L. S. Bradshaw, Contr.

Okl., Britton—E. R. Ernsberger, Pres., Southwestern Light and Power Co., Oklahoma City, started work on \$50,000 Spanish type residence near Britton; cream stucco, tile roof, swimming pool, landscaping; A. M. Sadler Realty Co., Contr., 206 N. Robinson St., Oklahoma City.

Okl., Oklahoma City—Callaway, Nicholson & Foster, Inc., Med. Arts Bldg., started work on 3 bungalows, Gatewood Ave., near 20th St.; to sell for from \$12,500 to \$13,500 each.

Okl., Oklahoma City—L. D. Webber, 400 W. 22d St., erecting residence, 2009 Gatewood St.; Callaway, Nicholson & Foster, Inc., Contr., Med. Arts Bldg.

Okl., Tulsa—W. M. Mount, 1448 S. Carson St., started work on \$30,000 residence and garage; brick, tile and stucco, 2 stories; A. C. Davis, Archt., 2612 E. Fourth Place.

S. C., Goldville—Joanna Cotton Mills, W. A. Moorehead, Resident Agt., let contract to Fiske-Carter Construction Co., Greenville, for 70 operatives' dwellings; total of 150 to 200 dwellings planned; Lockwood, Greene, Engineers, Inc., Engrs., 24 Federal St., Boston, Mass., Spartanburg, S. C., etc.

Tenn., Knoxville—W. A. Hart, care Hart Construction Co., 400 W. Church St., erect \$10,000 frame dwelling, Kenesaw Ave.; 9 rooms.

Tenn., Memphis—W. Phelps, 1680 Jackson Ave., started work on 2 brick veneer dwellings, 904-910 N. Auburndale St.; 1 story and basement, 35x50 ft., oak floors, tile baths, comp. shingle roofs, hot water heat; \$10,000; owner builds.

Tenn., Memphis—Mrs. J. W. Norris, 1200 Union Ave., erect \$13,000 residence, Red Acres; oak floors, tile baths, slate roof, steam heat, garage and servants' quarters; Geo. Awsumb, Archt.; F. C. Storey, Contr., both Dermon Bldg.

Tenn., Memphis—Clyde L. Van Fossan, Park View Hotel, let contract for \$40,000 stucco residence, Chackasaw Gardens, to R. F. Howell, 2561 Hale St.; stucco, 2 stories and basement, 77x62 ft., oak floors, tile roof and bath, steam heat; Geo. Mahan, Jr., Archt., Amer. Bk. Bldg. 9-13

Tenn., Nashville—Frank W. Stull, 3805 Baxter Ave., let contract for \$10,000 residence to John Moore, 151 Fourth Ave., N.; stucco, field stone trim, 1½ stories, 45x55 ft., oak floors, asphalt shingle roof; Ozrow J. Billis, Archt., 62 Arcade Bldg. 9-13

Tex., Beaumont—J. H. Phelan, Park and Washington Sts., let contract for \$300,000 residence, "Caed-Mile-Faile," Calder Ave. and 11th St. Road, to C. F. Law. Wall and Archie Sts.; Colonial type, brick and Indiana limestone, 20 rooms, 8 baths, black and cream Italian marble floor and marble base in hallway, 23x40-ft. ballroom, \$25,000 pipe organ, chapel, swimming pool, artificial lake, 3 sunken gardens; Owen J. Southwell, Archt., Hass-Howell Bldg., Atlanta, Ga.; Homer L. Fry, Landscape Archt., Dallas. Tex., Dallas—Dr. W. A. Grouws, Med. Arts Bldg., erect \$37,500 residence, 4200 Edmondson Ave., Highland Park West; 3 tile baths, elect. refrigeration, steam heat; Gulf Building Co., Contr.

Tex., El Paso—Dr. W. E. Vandevere, Mills Bldg., started work on \$12,000 residence, Blacker and Stanton Sts.; Spanish type, brick, 2 stories, 17x72 ft., clay tile roof, patio, tile floors on first floor, 2 tile baths; O. H. Thorman, Archt., First Natl. Bank Bldg.; Hayward & Betzel, Contrs.

Tex., Houston—Miss Ollie and Miss Mamie Fox erect \$10,000 residence, 1938 Albans St.; brick veneer, 2 stories, 8 rooms; Sliger & Jarvis, Contrs., 4318 Main St.

Tex., Houston—C. H. Winerich, 200 Hathaway St., erect modified Italian type brick veneer residence, River Oaks; L. W. Lindsay, Contr.

Tex., Ozona—Paul Penner erecting \$25,000 residence; L. B. Cox, Jr., erecting \$12,000 residence; Wayne West erecting \$25,000 stucco residence.

Tex., San Antonio—Guy Borden, 214 E. Ashby St., erect \$10,000 residence, 262 E. Rosewood St.; stucco, 7 rooms; American Building Co., Contr., Real Est. Bldg.

Tex., Waco—Berry Bowen, 505 Park Ave., erecting \$20,000 residence, Park Row; brick veneer, 2 stories and basement; H. F. Cason, Archt., Cameron Bldg.

Tex., Waco—R. B. Dupree, 315 N. 16th St., erect Colonial residence; stone and stucco, 2 stories, garage; T. Brooks Pearson, Archt., 1824 Mitchell Ave.; Mr. Ramsey, Contr.

Government and State

Fla., Bonifay—J. S. Brown supervising construction of 25x75-ft. building for post office.

Tex., Fort Sam Houston, San Antonio—Jud & Ormond, 703 N. Flores St., have plumbing contract at \$32,596 for infantry battalion barracks, Fort Sam Houston, Capt. A. W. Parker, Constructing Quartermaster.

8-23

Hospitals, Sanitariums, Etc.

Fla., Miami—City Purchasing Dept. let contract to C. N. Smallridge, Metro. Bldg., for addition to Jackson Memorial Hospital; plans by City Engrs.

Ga., Augusta—United States Veterans Bureau, L. H. Tripp, Ch., Constr. Div., Arlington Bldg., Washington, D. C., let contract to Claussen-Lawrence Construction Co., 1394 Gwinnett St., Augusta, for additions to garage, Bldg. No. 14, U. S. Veterans Hospital.

8-16

La., Alexander—Jones & Laughlin Steel Corp., Ross St., Pittsburgh, Pa., has contract for 500 tons rein. steel for \$1,500,000 U. S. Veterans Hospital; N. P. Severin Co., Contr., 222 W. Adams St., Chicago, Ill.

8-23

Va., Petersburg—Central State Hospital let contract at \$44,500 to H. A. Lucas, Colonial Natl. Bank Bldg., Roanoke, for concrete and brick dormitory; 2 stories; Baskerville & Lambert, Archts., Travelers Bldg., Richmond.

9-13

Hotels and Apartments

Ala., Birmingham—13th Avenue Realty Co., 1301 S. 20th St., erect \$30,000 brick and hollow tile apartment, S. E. corner 20th St. and 13th Ave.; owner, Archt.-Bldr.

Ala., Birmingham—J. G. Davis, 512 S. 49th St., has permit for \$14,000, 2-story, 35x83½ ft., brick veneer apartment, W. Graymont Ave.; built-up roof; J. L. Williams, Contr., 702 W. 15th St.

Ala., Huntsville—Otis Elevator Co., Cincinnati, O., has contract for elevators in \$500,000, 12-story, 138x115 ft., rein. conc., struc. steel, brick, hollow tile, stone trim, fireproof hotel for Erskine Hotel Corp., for which E. G. Holladay & Co., 151 Fourth Ave., N., Nashville, Tenn., has general contract; The Hutchins Co. install ventilation, heat, plumbing and wiring; Marr & Holman, Archts., Stahlman Bldg., Nashville.

9-20

D. C., Washington—Walter-Johnson, care Milburn Heister Co., Archt., Hill Bldg., let contract to Boyle-Robertson, Inc., 1420 New York Ave., for alterations to 6-story, brick hotel, opposite Union Station; \$240,000.

Fla., Jacksonville—William Wade has permit for 2-story frame apartments, 1008-14 W. Church St., for J. Safer, 149 Third St.; \$10,000.

Ga., Atlanta—Mrs. M. C. Hanson let contract to H. A. Williams, Atlanta Ave., for \$30,000, 2-story and basement, brick veneer, 12-apartment on E. Wesley Ave.; comp. roof, hardwood floors, tile baths, steam heat.

Ga., Atlanta—W. N. Tumlin, 1221 Gordon St., S. W., erect \$30,000, 2-story and basement, brick veneer, 12-apartment on Beecher St., S. W.; comp. roof, hardwood floors, tile baths, steam heat; owner builds.

La., Shreveport—J. B. White, 209 Wall St., and associates, erect \$160,000, 3-story, 48-apartment, Gladstone and Centenary Blvd.; J. P. Annan, Archt., 808 Ontario St.; owner builds.

8-20

Mo., Joplin—Commerce Trust Co. soon offer for sale \$300,000 bonds to complete \$500,000 Connor Hotel annex under construction by Allis Building Co., Barney Allis, Pres., Kansas City; C. A. Dieter Construction Co., Contr., 223 W. 3d St., Joplin; Alonso Gentry, Archt., March Bldg.; Cook & White, Engrs., Mutual Bldg., both Kansas City.

6-7

Mo., St. Louis—W. B. Zook erect \$10,000, 2-story, 31x47-ft., brick tenement, 6200-02 Virginia St.; tar and gravel roof, hot air heat; D. F. Zook, Archt.-Bldr., both 3872 Page St.

Mo., St. Louis—Wm. H. Schulte, Grand and St. Louis Bldg., excavating for \$56,000, 2-story, 64x146-ft., brick, 22-apartment, Maffitt and Kennerly Sts.; wood floors, asphalt roof; Ernest J. Hess, Archt., 903 Title Guaranty Bldg.

8-20

Mo., St. Louis—A. J. Schulte, 2806 N. Grand Ave., erect \$20,000, 2-story, brick tenement, 4308-10 Maffitt St.; comp. roof; E. J. Hess, Archt., 903 Title Guaranty Bldg.; owner builds.

Mo., St. Louis—F. B. J. Darr, 1014 Oakview place, erect two 2-story, 24x45 ft., brick tenements, 6824-28 Plateau St.; \$14,000, tar and gravel roofs, warm air heat; owner builds.

Mo., St. Louis—Sol Abrahams & Son Construction Co. soon start work on \$425,000, 9-story, 94-suite apartment, 4300 block W. Pine Blvd.; 50-car garage; Leo F. Abrams and Carl Schloeman, Archts., Chemical Bldg.

Mo., St. Louis—Sam Koplar, 265 Union St., soon start work on 15-story apartment, Lindell Blvd. and Euclid Ave.; also plans 30-story apartment, Maryland Ave. and Kingshighway Blvd.; Laurence O. Schopp, Archt., 114 N. Seventh St.

Mo., St. Louis—Albert Realty and Construction Co., care S. Brown, 6324 Southwood Ave., Clayton, erect \$50,000, 3-story, brick apartment, 5621 Enright Ave.; owner builds.

Mo., St. Louis—Koch & Hauptfleisch, 5535 Grace St., erect 2-story, 26x48 ft., brick tenement, 3929 Fillmore St.; asphalt shingle roof, hot water heat; owner builds.

Mo., St. Louis—H. Kalkhake, 4960 Loughborough St., erect two 2-story, 24x46 ft., brick tenements, 3919-27 Dover Place; \$10,000, tile roofs; Moellenhof Building and Realty Co., Bldr., 5417 S. Grand Blvd.; C. E. Stevens, Archt., 5417 S. Grand St.

N. C., Charlotte—Home Real Estate and Guaranty Co., 219 N. Tyron St., and Henderson - Whitner Co., erecting 3-story, 18-apartment, 7th and Poplar Sts.

Okla., Tulsa—Patterson Steel Co., 801 N. Xanthus St., has contract for 175 tons struct. steel for \$800,000, 10-story Bliss Hotel for Charles W. Bliss Bldg.; J. W. Van Horn, Gen. Contr., 526 S. Kenosha St.; Leland I. Shumway, Archt., Alexander Bldg.

Tenn., Knoxville—W. A. Hart, of Hart Construction Co., 400 W. Church St., erect two brick and frame apartments on Kingston Pike; \$40,000; also \$50,000, 3-story apartment, Clinch Ave. and 19th St.; Graf & Son, Archts., Journal Bldg.

Tenn., Memphis—C. C. Mullins excavating for \$15,000, 2-story and basement, 34x55 ft., brick veneer apartment; comp. roof, oak floors, hot water heat, stone trim; W. C. Mullins, Contr., both 927 Highland Ave.

Tex., Alpine—George W. Kercher completed foundation for 104-room brick apartment on College Hill.

Tex., Brownsville—Roy Sethman started work on \$24,000, 2-story, brick veneer apartment; Sam Hallet, foreman; Wm. D. Van Siclen, Archt.

Tex., Houston—Joe Stanley, 3400 N. Main St., has contract for laying and surfacing floors in connection with \$150,000 alterations to Warwick Hotel; Don Hall, Gen. Contr., Cotton Exchange Bldg.; Jas. Ruskin Bailey, Archt., Pub. Natl. Bk. Bldg.

Tex., San Antonio—Lee A. Adams, 311 W. Woodlawn St., has permit for addition to brick apartment, 314 N. Alamo St., owner builds.

Miscellaneous

Ga., Thunderbolt—R. W. Boyd, 317 W. 37th St., Savannah, has contract for improvements at Alee Temple of Shriners Country Club; Levy & Clark, Archts., Blum Bldg., Savannah.

Mo., Normandy—Sisters of Incarnate Word let contract to Hercules Construction Co., Wainwright Bldg., St. Louis, for 4-story and basement, 133x43 ft., brick and granite convent, Normandy Ave., north of St. Charles Rock road; Henry Dreisecker, Archt., 3543 Humphrey St., St. Louis.

Tex., Houston—Detering Concrete Tile Co., 2510 Crockett St., has contract for furnishing conc. building tile for \$100,000 building for Houston Turnverein Club, Almeda and Southmore Sts.; Ettie & Schmitz, Gen. Contrs., 935 White St.; Joseph Finger, Archt., Keystone Bldg.

Tex., Houston—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., Railway Exchange Bldg., St. Louis, has permit for remodeling Union Station; \$40,000; Humes-Deal Co., Contr., Arcade Bldg., St. Louis.

Ark., Little Rock—Missouri Pacific R. R. Co., E. A. Hadley, Ch. Engr., Railway Exchange Bldg., St. Louis, has permit for remodeling Union Station; \$40,000; Humes-Deal Co., Contr., Arcade Bldg., St. Louis.

Ark., Stuttgart—School Dist. No. 22, C. R. Ham, Pres., let contract to J. B. Barrett for \$35,000, 1-story and basement, brick and stone school, 3d and College Sts.; work

Schools

Tenn., Alvin—Pyramid Asbestos & Roofing Co., Butler and Sacks Sts., Houston, has contract for roofing and sheet metal work on

started; comp. roof, wood and conc. floors; Mitchel Selligman, Archt., 206 Pine St., Pine Bluff.

Fla., Tallahassee—State Bd. of Control, P. K. Yonge, Chmn., let contract at \$284,225 to J. L. Crouse & Co., American Bank Bldg., Greensboro, N. C., for 2-story and basement, rein. conc. conc., brick, hollow tile, stone trim gymnasium at Florida State College for Women; Rudolph Weaver, Board Archt., Peabody Hall, Gainesville.

8-23

Ga., Atlanta—Druid Hills School Dist., W. D. Thompson, Chmn., Bldg. Comm., 1430 Candler Bldg., let contract at \$22,364 to Crenshaw & McIver, Candler Bldg., for 1-story and basement, 104x55 ft., brick, stone trim school; 4 classrooms and auditorium; slate roof; Daniell & Beutell, Archts., Healey Bldg.

9-20

Ga., Barnesville—Sixth Dist. A. & M. College, Prof. Galloway, let contract at \$28,564 to Arthur Pew, Jr., Red Rock Bldg., Atlanta, for 2-story and basement, 99x54 ft., brick building; steel stairs, struct. steel truss, cast iron vents, Conklin and Barrett roof, Swartwout ventilators, cement and pine floors; Dunwody & Oliphant, Archts., 460 Broadway, Macon.

8-16

Ky., Paducah—West Kentucky Industrial College Bd. of Trustees, Charles Ferguson, Chmn., let contract to Ray Black for \$125,000 girls' dormitory; W. Bryan Rouse, Archt., Weille Bldg.

9-6

La., Grand Isle—Gitz & Geier, Gen. Contr., 8133 Oak St., New Orleans, let following sub-contracts for school: Rein. steel, Ole K. Olsen, 325 N. Cortez St.; millwork, Reimann Manufacturing Co., 3109 Baudin St.; hardware, R. D. Pitard Hardware Co., 115 Chartres St.; blackboards, F. F. Hansell & Bro., Ltd., 404 Carondelet St., all New Orleans; lumber, Mayronne Lumber and Supply Co., Marrero, La.

La., New Orleans—Orleans Parish School Bd., City Hall Annex, let contract at \$525,242 to Caldwell Bros., 816 Howard Ave., for 3-story, rein. conc. frame, brick and stone trim, fireproof school, St. Claude Ave., Mandeville, Spain and N. Rampart Sts., to be known as Chas. J. Colton School, to replace McDonogh Schools No. 2 and 3; plans by E. A. Christy, Supvg. Archt., call for 42 classrooms, cafeteria, manual training room, household art science room, kindergarten, swimming pool, gymnasium and auditorium, tile and comp. roof; sprinkler system, steam heat.

8-23

La., Rosethorn—J. V. & R. T. Burkes, New Orleans, let following subcontracts for addition to school: Building material, lumber and roofing, Mayronne Lumber and Supply Co., Inc., Marrero, La.; millwork and glazing, Bender-Weise Cab'net and Millwork, Inc., 246 Pacific Ave., Algiers, Sta. A, New Orleans; rein. steel, Ole K. Olsen, 325 N. Cortez St., New Orleans; sheet metal work, Wm. Schinckle, 321 S. Rendon St., New Orleans.

Md., Owings Mills—Rosewood State Hospital for Insane and Feeble Minded, Dr. F. Keating, Supt., Rosewood, Baltimore, let contract to North-Eastern Construction Co., Lexington Bldg., Baltimore, for \$85,000 girls' dormitory; 3 stories, brick; W. Emmart, Archt., Union Trust Bldg.; C. L. Reeder, Mech. Engr., 916 N. Charles St., both Baltimore.

10-27-27

Mo., Broseley—Broseley Consolidated School Dist. Trustees let contract to L. E. Hyatt Construction Co., Kennett, for reconstruction of high school; \$14,000, 2 stories, brick.

Mo., Koshkonong—Bd. of Education, H. W. Stewart, Pres., let contract to R. T. Boles for \$20,000, 2-story, stone grade and high school; E. Hawkins, Archt., McDaniel Bldg., Springfield.

Mo., St. Louis—Bd. of Education has permit for \$10,000, 74x28 ft., brick addition to school, 4528 Nebraska St.; conc. roof; R. M. Milligan, Archt., both 911 Locust St.; International Co., Contrs.

Okla., Pond Creek—Bd. of Education started work on 1-story, 75x120 ft., brick auditorium and gymnasium; built-up roof, cement and wood floors; Grant Buxton, Contr.; R. W. Shaw, Archt., both End.

Okla., Wolf—School Bd. let contract to Todd & Ross, Ada, for \$21,200, 1-story, brick, fireproof school; Guy C. Reid, Archt., Elks Bldg., Oklahoma City.

9-20

Tenn., Knoxville—Knox County Bd. of Education let contract to M. B. Lowe for \$12,550, 1-story, 4-classroom and auditorium, brick veneer, Colonial type school at Skaggs-town; Albert E. Gredig, Archt., Mercantile Bldg.

Tex., Alvin—Pyramid Asbestos & Roofing Co., Butler and Sacks Sts., Houston, has contract for roofing and sheet metal work on

\$75,000 high school; Witte & Fleming, Gen. Contra., Kirby Bldg.; Lamar Q. Cato, Archts., Bkrs. Mtg. Bldg., both of Houston. 8-30

Tex., Houston—Hedges Roofing Co., 1910 Runnels St., has contract for roofing on James S. Hogg Jr. High School for which E. G. Maclay, Post-Dispatch Bldg., has general contract at \$112,500; F. P. Briscoe, Archt., Second Natl. Bk. Bldg.; also for roofing on Magnolia Park School; R. R. Hasbrouck, Gen. Contr., 4420 La Branch St.; Thiel & Maddy, Archts., Binz Bldg. 9-20

Tex., Houston—Bedford-Carthage Stone Corp., Runnels and Belt Sts., has contract for furnishing Lueders' stone on \$138,250 Sidney Lanier Jr. High School; West & Jensen, Gen. Contrs., Second Natl. Bk. Bldg. 9-20

Tex., Port Arthur—Houston Structural Steel Co., 3910 Washington St., Houston, has contract for struc. and misc. iron on \$550,000 Thomas Jefferson High School; Central Contracting Co., Gen. Contr., Athletic Bldg.; Mark Lemmon, Archt. Construction Industries Bldg., Dallas. 8-9

Tex., San Antonio—Episcopal Diocese let contract at \$22,438 to Wilkens & Rux, 1016 Gladstone Ave., for 2-story and basement, St. Phillips Episcopal School, 2120 Dakota St.; rein. conc., frame and stucco; Giles & Beckman and Williams & Williams, Asso. Archts., Moore Bldg.

Tex., Stamford—Stamford Ind. School Dist. Trustees let contract to E. D. Jones for 97x57 ft. ward school, 78x48 ft. manual training building and 115x53 ft. home economics cottage; all 1-story, brick, tile, rein. conc., cast stone trm., terrazzo and wood floors; \$40,000; David S. Castle Co., Archt., Alexander Bldg., Abilene. 9-20

W. Va., Flemington—Stuart-McMunn Co. has contract for plumbing, heating and gas fitting and E. M. Coll, both Clarksburg, electrical work for \$75,000, brick, 12-classroom high school for which John M. Kisner & Brother Lumber Co., Auburn St., Fairmont, has general contract; Edward J. Wood & Son, Archts., Lowndes Bldg., Clarksburg. 8-30

W. Va., Welch—G. C. Johnson Construction Co., Bluefield, and F. N. Bank Bldg., Welch, excavating for \$50,000 colred high school; brick and frame; Hassel T. Hicks, Archt., McDowell City Natl. Bank Bldg.

Stores

Ala., Birmingham—Shepherd Sloss Realty Co., 118 1/2 N. 21st St., erect 1-story, 52x140 ft., brick and tile store, S. 11th Ave. and 12th St.; \$25,000; owner, Archt.-Bldr.

Ark., Little Rock—C. J. Lincoln, 112 N. Main St., let contract to McGregor & Pickett, A. O. U. W. Bldg., for brick stores, 3001-05 W. Markham St.; \$10,000.

D. C., Washington—F. Baldi, 1329 N. St., N. W., erect \$25,000, 1-story, brick store, Wisconsin Ave. and Fessenden St., N. W.; Morrison Bros., Contrs., Bethesda, Md.; M. A. Thomas, Archt., 3304 19th St., N. W.

Fla., Bonifay—J. S. Brown erect 3 1-story, fireproof buildings on E. Waukesha St.

Fla., Homestead—McCrory Stores, Inc., 1107 Broadway, New York, let contract to P. J. Davis Construction Co. for \$30,000 building.

Ga., Atlanta—W. A. Dodge, 695 Coolidge Ave., N. E., remodel interior and exterior of brick building on Forsyth St.; owner builds.

Ga., Decatur—DeKalb Supply Co. erect 1-story and basement, 50x50 ft., brick veneer store on Syenmore St.; comp. roof; H. A. Rawlins, Archt., Masonic Temple Bldg.; owner builds.

La., New Orleans—Lamana, Panno & Fallo, Inc., 625 N. Rampart St., remodel building on Rampart St.; \$10,300; Saputo & Government, Contrs., 601 N. Claiborne St.

La., New Orleans—Ben Mullone erect gro-

cery store, 8422-24 Oak St.; Frank Capra, Contr., 637 Kerlerec St.

La., New Orleans—Grand Rapids Furniture House remodel building, 541-47 Baronne St.; \$11,675; Hyman Rabinowitz, Contr., 740 Poydras St.

Mo., Clayton, St. Louis—Wade & Weld, 8th and Locust Sts., erect \$18,000, 40x60 ft., brick store, Central and Forsythe Sts.; Grone Construction Co., Contr., Synd. Trust Bldg.

Mo., Joplin—J. C. Finke, 320 Wall St., let contract to W. R. McCormick, Joplin Natl. Bank Bldg., for remodeling store, 702 Main St.; \$20,000, brick; owner, Archt. 9-20

Mo., Kansas City—T. J. Luzier, 3044 Main St., erect \$80,000, 2-story, brick store and apartment, 2230-36 Gillham Plaza; H. C. Huford, Contr., 3735 State Line St.; N. E. Peters, Archt., Orear Leslie Bldg.; K. H. Mittendorf, Engr., Interstate Bldg.

Mo., St. Louis—A. & L. Frank erect \$10,000, 2-story, 48x50 ft., brick store and tenement, 5907-9 Lillian St.; Arsenal-Watson Co., Archt.-Contr., both 6205 Arsenal St.

Mo., St. Louis—E. J. Fierce erect \$10,000, 2-story, 37x50 ft., brick store and tenement, 5316-18 N. Union St.; Arsenal-Watson Co., Archt.-Bldr., both 6205 Arsenal St.

N. C., Durham—Charles Wilson and Dr. N. Rosenblatt, 207 W. Main St., erect \$18,000, 2-story and basement, brick store, Mangum and Orange Sts.; H. L. Smith, Contr., 400 Smith Ave.

Tenn., Celina—J. F. Scott, Contr., Cookeville, completed foundation for 2-story, 24x80 ft., brick store for W. L. Brown & Son; awarded contract for 2-story, 22x60 ft., brick store for Ned Maxey; \$10,000. 9-20

Tenn., Brownsville—D. C. Green erect \$20,000, 2-story, hollow tile and stucco, 8-apartment; hardwood and tile floors; E. G. Holliday, Archt.-Contr.

Tex., Corpus Christi—Dan Garza erect \$15,000, 2-story, 40x70 ft., brick and tile store on Leopard St.; J. S. Cross, Contr., Lovenskiold Bldg.

Tex., Dallas—McCrory Stores, Inc., 1107 Broadway, New York, let contract to A. E. Rheiner & Co., Exchange Bldg., San Antonio, for \$180,000 store, Main and Elm Sts.; 3 stories, 100x50 ft.

Tex., Fort Worth—G. D. & H. E. Babcock, 1711 Florence St., started foundation for \$30,000, 1-story, 100x50 ft., brick and stucco store; gravel roof, conc. floors; Butcher & Sweeney, Contrs.; W. G. Clarkson, Archt., First Natl. Bank Bldg. 9-20

Tex., San Antonio—F. F. Rodriguez, 1701 Jones Ave., erect \$19,000, 1-story, 50x144 ft., conc. and brick store; Falbo & Guido Construction Co., Contr., 515 San Saba St.

Theaters

Ark., Danville—C. C. Springfield completed foundation for \$12,000, 2-story, 30x86 ft., brick, fireproof theater; comp. roof, conc. floors; F. B. Rice, Contr. 9-20

Warehouses

Okl., Tulsa—Ward Chemical Co., Atco Bldg., let contract to DeWitt & Howard for \$12,500, 1-story and basement, 70x63 ft., conc. brick, steel warehouse and office; comp. roof, conc. floors; John V. Starr, Archt., Box 737. See Want Section—Building Material and Equipment. 9-20

Tenn., Memphis—Virginia Carolina Chemical Co., U. & P. Bank Bldg., soon start work on \$35,000, 2-story, 153x200 ft., frame warehouse, 2634 Poplar Ave.; comp. roof, conc. and wood floors; owner, Archt.-Bldr.

Tex., Houston—L. Pulaski, 2204 Dallas St., let contract to J. B. Dannenbaum, Bkrs. Mtg. Bldg., for \$15,000, 1-story warehouse, Leeland and Dowling Sts., tar and gravel roof; Detering Cone. Tile Co., 2510 Crockett St., contract for furnishing conc. building tile. 8-30

Trade Literature

Pulverizers.—To show how widely applicable is the swing hammer principle of reduction, the Jeffrey Manufacturing Company, Columbus, Ohio, has published its Catalog No. 450, which lists 54 basic materials, differing in consistency, size and weight, which may be successfully reduced by Jeffrey Swing Hammer Pulverizers. Among these are asphalt, clay, coal, glass, glue stock, limestone, spices, tobacco stems, straw and oil cake; hard and soft, light and heavy, sticky and non-sticky, abrasive and non-abrasive materials.

Drop Hammer.—Under the title, "Die-ology," a pamphlet covering the subject of drop forgings has been issued by the Interstate Drop Forge Company, Milwaukee, Wis., explaining modern die construction and board drop hammer operation. The subjects covered are the board drop hammer, die blocks, die sinking and resinking, lock dies, layout, trimming and punching, draft, cleaning, restriking and lead casts.

Lighting.—"Light and Production" is the title of a booklet on industrial lighting, especially prepared for the industrial executive, by the Benjamin Electric Manufacturing Company, Chicago, Ill. The chapters cover a comparison of light and vision, scarcity of daylight, a means of checking the present lighting system, the fundamentals of good lighting and the method of securing a productive lighting installation.

Concrete Products.—Drain and pressure pipes, Moir-Buchanan process; asphalt lining and surfacing, Bille-Ligonnet process, and poles and conduits, contractor process, are among the subjects treated in a copyright booklet, bulletin No. 3, issued by the Asphalt-Concrete Corporation, New York City. Data and illustrations also are given.

Supports.—Cleveland steel barricade supports are described in a leaflet issued by the Cleveland Steel Specialty Corporation, Cleveland, Ohio, as easily handled, self-locking, sufficiently heavy to resist wind pressure and "a permanent equipment and a real asset." Other advantages also are outlined.

Columbia, Miss.—Described as the "Gem of Mississippi," Columbia is pictured as "the little city that 'grows' on you," in an attractive booklet issued by the Marion County Chamber of Commerce. The city is described residentially, industrially and agriculturally, in word and picture.

Gas Service for Two Alabama Cities.

Sheffield, Ala.—Gas service for this city and Tuscaloosa, Ala., interrupted by the Muscle Shoals development, will be restored by a new Steere carbureted water gas plant being built here, consisting of 5-foot water gas machines, fuel handling system, tubular condenser, after cooler, pumps, purifier, piping and other equipment. Soft coal will be used for fuel and the plant is expected to be in service this fall. It is being built by the Semet-Solvay Engineering Corporation, of New York City.

Health in Louisiana.

Arranged as a "health and medical number," the September issue of "Shreveport," the official publication of the Shreveport, La., Chamber of Commerce, contains 40 pages of valuable information and interesting advertisements. The Tri-State Medical Society is described by Dr. Frank H. Walke, and "Louisiana—A Healthy Place to Live" is written by Dr. C. V. Akin. The Medical Arts building has an article for itself and aeronautics also is brought into the contents. Mary Virginia Saunders is editor.

WANT SECTION

THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Machinery and Supplies

Bevel Gears, Sprockets, Chains, etc.—Shreveport Machinery Sales Co., 936 Louisiana Ave., P. O. Box 840, Shreveport, La.—Wants prices and data from firm manufacturing bevel gears, sprockets, chains, etc.

Crusher.—G. R. Mueller Co., Brown-Marx Bldg., Birmingham, Ala.—Wants prices and data on second-hand 48x60-in. or larger jaw crusher.

Electrical Equipment.—Balls Creek Light and Power Co., Catawba, N. C.—Wants following:

- (1) Motors
- (2) Cut Outs
- (3) Transformers
- (4) Lightning Arrestors
- (5) Lighting Fixtures for Dwellings.
- (6) Meters.

Excelsior Machinery.—Georgia Cushion & Wrapper Co., Woodland, Ga.—Wants prices and data on excelsior machinery, new equipment only; prefer direct electric driven.

Excelsior Machine.—Joe Lyons Machinery, 112-20 N. Louisiana St., Little Rock, Ark.—Wants prices and data on excelsior machine.

Knitting Mill Equipment.—Morristown Knitting Mills, Inc., Morristown, Tenn.—Wants used knitting mill equipment as follows: 25 knitters, 120 needle 2½-in. cylinder, 35 ribers and 6 loopers to match knitters; state price and condition.

Lumber Mill Machinery.—W. M. Unger, Tchula, Miss., has hardwood lumber and pine building material plant and wants:

- (1) Rip Tables
- (2) Surfaces.

Saccharin Manufacturing Machinery.—Central Aerating Gas Co., Grand Trunk Road, Ambala, India, wants complete plant for manufacture of saccharin, daily capacity five to ten cwt.

Sanding Machine.—G. W. Simmons (Mchy. Dealers), 605 Linden Ave., Memphis, Tenn.—Wants number 5, 6 or 35 long handle double belt sanding machine, must be in excellent condition to work in tandem.

Steel Sheet Piling.—W. R. Ellis, 46 Sunflower Ave., Clarksdale, Miss.—Wants prices and data on 110 pieces of 12 in. x 30 ft. second-hand steel sheeting piling, f. o. b. Tunica, Miss.

Street Grader.—P. L. Neville, Mayor, McGehee, Ark.—Wants motor equipped street grader.

Sugar Refinery Machinery.—C. H. Thomas, 1451 Cypress St., Louisville, Ky.—Wants prices and data from manufacturers of sugar refinery machinery.

Woodworking Machine.—W. J. A. Cronin, Contr., Pearsall, Tex.—Soon in market for woodworking machine.

Camargo Sand and Gravel Co.—Camargo, Okla.—Wants prices and data on following, for developing 30 acres of sand and gravel:

- (1) Electric Motors
- (2) Gravel Washer
- (3) Separator—screen or other method of separating blow sand from sand that will stay on 20 mesh screen; wants to save coarse sand.

Miscellaneous.

Automobile Supplies.—Red Devil Products Co., James L. Frazee, Jr., Pres., 212 S. Davie St., Greensboro, N. C.—Wants prices and data on automobile accessories such as polish, Ford replacement parts, rubber goods, etc.

Paint.—J. F. Gilbert, Beacon Beach, Fla.—Is starting manufacture of wood beds and will dip parts in paint before assembling in lieu of using a brush and wants prices and data on paint in all colors for this purpose.

Sight Glass.—Johnson's Purifying Systems, Inc., Greensboro, N. C.—Wants prices and data from manufacturers of sight glass in sizes 1 in., 1½ in. and 2 in., to be used for dry cleaning equipment on pipe lines.

Mt. Forest Fur Farms of America, Inc.—Suite 1034 Michigan Theatre Bldg., Detroit

Mich.—Wants prices and data on following for development in Louisiana:

- (1) Boats—of all descriptions, including speed boats
- (2) Marine Engines
- (3) Steel Traps—for trapping alive fur bearing animals.

Building Material and Equipment.

V. P. Loftis, 201 Bldrs. Bldg., Charlotte, N. C., wants prices on following for \$20,000 residence:

- Cast Stone
- Electric Refrigerators
- Flooring—hardwood, linoleum, tile
- Incinerator
- Roofing (hip)—slate
- Tile—hollow, interior

W. J. A. Cronin, Contr., Pearsall, Tex., wants prices on following:

- Electric Refrigerators
- Flooring—hardwood, bath tile
- Metal Ceilings
- Plaster Board
- Roofing—shingle.

Lamar Q. Cato, Archt., Bankers Mortgage Bldg., Houston, Tex., wants prices on following for 21-room addition to Stonewall Jackson High School:

- Flooring—hardwood, terrazzo, tile
- Limestone
- Marble

Metal Doors

Roofing (flat)—built-up

Tile—hollow, interior

Ventilators

Brass and Bronze Work.

Joe Lazarov, Contr., 803 Maurey St., Memphis, Tenn., wants prices on following for \$80,000 apartment:

- Cast Stone
- Electric Refrigerators
- Flooring—hardwood, tile
- Roofing—asphalt shingle, tile.

R. P. Pool, 564 Linwood Ave., Atlanta, Ga., wants prices on following for \$60,000 apartment:

- Flooring—terrazzo, tile
- Incinerator
- Plaster Board
- Roofing (flat)—built-up roof, tile.

Struck Construction Co., Inc., 147 N. Clay St., Louisville, Ky., estimating on \$2,000,000 bank building for Bank of Commerce and Trust Co., Memphis, Tenn. (bids Oct. 1), and wants sub-bids.

Cooke & Maxey, Contrs., 1030 N. Hopson St., Shawnee, Okla., want prices on following for \$35,000 church, Seminole, Okla.:

- Cast Stone
- Flooring—hardwood.

Mt. Forest Fur Farms of America, Inc., Suite 1034 Michigan Theatre, Detroit, Mich., wants data and prices on following for development in Louisiana:

- Cel-o-glass—or similar products
- Galvanized Iron
- Lumber—all of grades
- Roofing
- Wire Netting.

Raymond C. Snow, Inc., Archt., Bona Allen Bldg., Atlanta, Ga., wants prices on following for \$20,000 service and tire station:

- Cast Stone
- Flooring—linoleum, terrazzo, tile
- Metal Doors
- Roofing—built-up
- Steel Sash and Trim
- Tile—hollow
- Wire Glass.

Raymond C. Snow, Inc., Archt., Bona Allen Bldg., Atlanta, Ga., wants prices on following for show rooms:

- Flooring—terrazzo, tile
- Marble
- Metal Ceilings
- Metal Doors
- Tile—hollow
- Ventilators
- Wire Glass

Brass and Bronze Work.

A. S. Rosenhoff, 503 W. Broad St., Savannah, Ga., wants prices on following for apartment house:

- Electric Fixtures—bronze, for newel posts on staircase
- Fountain—circular, for lobby
- Radiator Enclosures.

John V. Starr, Archt., Box 737, Tulsa, Okla., wants prices on following for \$12,500 warehouse and office:

- Flooring—hardwood
- Limestone
- Metal Doors
- Plaster Board
- Steel Sash and Trim
- Tile—hollow
- Vaults
- Vault Lights.

Hentz, Adler & Schutze, Archts., 1330 Candler Bldg., Atlanta, Ga., want prices on following for \$125,000 building for Standard Club:

- Cast Stone
- Dumbwaiters
- Flooring—hardwood, linoleum, tile
- Limestone
- Marble
- Roofing—built-up, slate
- Steel Sash and Trim
- Ventilators.

Will N. Noonan Co., Archts., Bldrs. Exch. Bldg., San Antonio, Tex., wants prices on following for \$35,000 church, Ozona, Tex.:

- Cast Stone
- Flooring—hardwood
- Metal Ceilings
- Roofing—asbestos shingle
- Tile—hollow.

Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio, Tex., want prices on following for \$25,000 dwelling, San Angelo, Tex.:

- Cast Stone
- Electric Refrigerators
- Flooring—hardwood, linoleum, terrazzo, tile
- Incinerator
- Plaster Board
- Roofing—asbestos shingle, slate.

Ernest J. Hess, Archt., 903 Title Guaranty Bldg., St. Louis, Mo., wants prices on following for laundry, Dunnica and Gravois Ave.:

- Limestone
- Metal Ceilings
- Metal Fire Doors
- Roofing—built-up
- Tile—hollow
- Terra Cotta Trim
- Wire Glass.

Vinson B. Smith, Jr., Archt., Real Estate Bldg., Gulfport, Miss., wants prices on following for \$25,000 school, Orange Grove, Miss.:

- Cast Stone
- Flooring—tile
- Rolling Partitions
- Roof (flat)—built-up
- Tile—hollow
- Ventilators
- Wire Glass

Brass and Bronze Work.

Bids Asked

Bridge Substructure.—State Highway Dept., Dover, Del.—Bids Oct. 16 for substructure of Newport Bridge; 1150 cu. yd. excavation, 2400 lin. ft. piles, 7500 lin. ft. foundation piling.

Bridge.—San Antonio, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Bridges.—State of Maryland.—Bids for 3 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Sarasota, Fla. See Construction News—Bridges, Culverts, Viaducts.

Bulkhead.—New Orleans, La.—Bids for bulkhead. See Construction News—Roads, Streets, Paving.

Culverts.—New Roads, La.—Bids for 16 culverts. See Construction News—Bridges, Culverts, Viaducts.

Denim and Drilling.—Q. M., U. S. Marine Corps, 1100 S. Broad St., Philadelphia, Pa.—Bids Oct. 2 for 75,000 yds. blue denim and 100,000 yds. unbleached drilling.

Dredging.—War Dept., U. S. Engr. Office, Galveston, Tex.—Bids Oct. 17 for dredging approximately 170,000 cu. yds. in Buffalo Bayou, Tex., between Houston Ship Channel turning basin and mouth of White Oak Bayou, Houston.

Dredging.—U. S. Engr. Office, Wilmington, N. C.—Bids Oct. 22 for furnishing all labor and materials for dredging approximately 151,700 cu. yds. of sand and mud in Neuse and Trent Rivers, N. C.; information on application.

Dredging.—U. S. Engr. Office, 300 Custom House, Baltimore, Md.—Bids Oct. 24 for dredging approximately 210,000 cu. yd. material in Baltimore harbor and channels, Md.; further information on application.

Dredging.—U. S. Engr. Office, Norfolk, Va.—Bids Oct. 18 for dredging approximately 2,813,250 cu. yd. of material in Pamlico River-Bay River section of Inland Waterway from Norfolk, Va., to Beaufort Inlet, N. C., in Beaufort and Pamlico Counties, N. C.

Engine (Diesel).—Comms. of Fisheries, Dept. of Commerce, Washington, D. C.—Bids Oct. 1 for furnishing full Diesel engine, not less than 150 h. p.

Grading, etc.—Cumberland, Md. See Construction News—Roads, Streets, Paving.

Heating Equipment.—Adams County Bd. of Supervisors, Natchez, Miss.—Bids Oct. 2 for installing heating equipment in courthouse and jail.

Laundry Equipment.—Q. M. Supply Officer, Washington, D. C.—Bids Oct. 2 for 3 automatic presses, 8 adjustable irons.

Miscellaneous Supplies.—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids Oct. 4 for following; Sch. 1903:

Centrifugal pumps, speed reduction unit, car wheels, staybolt iron, pipe bends, steel tubing, bronze propeller, copper wire, resistance units, switches, metal saw, varnish.

Motors (Outboard).—U. S. Engr., Huntington, W. Va.—Bids Oct. 1 for 4 outboard gasoline motors and extra propellers.

Paving.—Laredo, Tex. See Construction News—Roads, Streets, Paving.

Paving.—Crowley, La. See Construction News—Roads, Streets, Paving.

Paving, etc.—Hattiesburg, Miss. See Construction News—Roads, Streets, Paving.

Paving, etc.—Jefferson City, Mo. See Construction News—Roads, Streets, Paving.

Paving, etc.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Paving.—Chattanooga, Tenn. See Construction News—Roads, Streets, Paving.

Pipe (Steel Intake).—Sewerage and Water Bd., New Orleans, La.—Bids Nov. 15 for furnishing, delivering and erecting steel intake pipe for river pumping station; plans, etc., on file Room 303, No. 526 Carondelet St.

Pipe (Reinforced Concrete).—See Sewers.

Pipe (Vitrified Clay).—See Sewers.

Plumbing Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Bids Oct. 4 for furnishing plumbing supplies, for delivery to Quantico, Va.

Pump and Boiler.—Claiborne County Bd. of Supervisors, Port Gibson, Miss.—Bids Oct. 1 for condensation pump, 4000 ft. radiation, electric type, an dfor 25 h. p. locomotive boiler of open bottom water front type; built to A. S. M. E. boiler code, for 125 lb. working pressure; specifications from office W. L. Allen, Clk., Port Gibson, Miss.

Road.—Dallas, Tex. See Construction News—Roads, Streets, Paving.

Road.—Talladega, Ala. See Construction News—Roads, Streets, Paving.

Road.—Minden, La. See Construction News—Roads, Streets, Paving.

Roads.—Dallas, Tex.—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

Road.—Alexandria, La. See Construction News—Roads, Streets, Paving.

Road.—Canton, Miss. See Construction News—Roads, Streets, Paving.

Road.—Summersville, W. Va. See Construction News—Roads, Streets, Paving.

Road.—Starkville, Miss. See Construction News—Roads, Streets, Paving.

Road Equipment.—State Highway Dept., Jackson, Miss.—Bids Oct. 8 for following, f. o. b. Chatawa: 1900 f.b.m. of untreated lumber, 31,800 f.b.m. creosoted lumber, f. o. b. Indianola, size 3000 lb. road machines; f. o. b. Jackson, 1 carload patrol graders; f. o. b. McComb, 1 carload dynamite; f. o. b. McComb, one 1 man road machine (motor).

Roofing, Portland Cement.—W. M. Fort Eustis, Va.—Bids Oct. 1 for 850 rolls prepared asphalt roofing and 560 bags Portland cement.

School Supplies, etc.—Bd. of Awards, Baltimore, Md.—Bids Oct. 3 for furnishing supplies, machinery and equipment for several schools for Dept. of Education.

Sewers.—City of Meridian, Miss.—Bids Oct. 2 for sanitary sewers; 132,386 ft. of 8 in. to 15 in. pipe; 361 manholes; John C. Watt, Engr.

Sewers.—Jefferson City, Mo., F. E. Ross, City Engr.—Bids Oct. 1 for sewers in Dist. No. 41; 1205 ft. of 6-in. sewer pipe; 1055

ft. of ditching and backfilling manholes, 15 sq. yds. pavement repairing.

Snow Fencing.—State Highway Dept., Dover, Del.—Bids Oct. 16 for 13,000 lin. ft. removable snow fence; 900 steel posts.

Steel Barges.—U. S. Engr. Office, Wilmington, N. C.—Bids Oct. 22 for furnishing labor, materials for constructing and delivering 3 steel barges.

Street.—Thomasville, N. C. See Construction News—Roads, Streets, Paving.

Subway.—A. J. Hawkins, City Engr., Birmingham, Ala.—Bids Oct. 2 for constructing pedestrian subway under 21st St., at South Highlands school.

Tractor.—Morehouse Parish Police Jury, Bastrop, La.—Bids Oct. 2 for crawler type tractor of approximately five tons; information from J. Lester White, Parish Engr., Bastrop.

Truck Chassis.—Dallas County Auditor, Dallas, Tex.—Bids Oct. 1 for one or more 2-ton truck chassis for use of Dist. No. 2.

Viaduct.—Joplin, Mo. See Construction News—Bridges, Culverts, Viaducts.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

To Manufacture Lawn Mowers.

The Heck Electric Lawn Mower Company, Kansas City, Mo., has been organized to produce a lawn mower embodying many new features. The machine has rotary cutting blades revolving 3500 times a minute, and is driven by a motor developing about one-half horsepower. The fast moving blades reduce the cuttings to chaff, it is said, which forms a mulch and helps to retain the moisture around the roots and also protects them from the sun, and since it rots quickly it makes a good fertilizer. Where it is desired to remove the chaff a vacuum attachment is placed on the machine. Initially the product will be assembled under contract, but later it is planned to erect a company-owned assembling plant.

Branch Office in Baltimore.

Barnes & Fuller, manufacturers' sales representatives, with main office at Raleigh, N. C., have opened an office at 906-907 Union Trust Building, Baltimore. The firm has been engaged in the wholesale lumber business for the past six years, operating principally in South Carolina, North Carolina and Virginia. In order better to take care of Northern business the Baltimore office has been established with Woodward B. Rich in charge. The territory to be served by the new office includes: Washington, D. C., Maryland, Pennsylvania and New York. Initially the office will sell on a strictly wholesale commission basis. The company is acting as exclusive agents for about 20 large lumber mills. Charles R. Barnes is senior member of the firm.

Domestic Rabbit Industry.

The Southern Rabbit Corporation, Atlanta, Ga., is circulating a pamphlet, "The Domestic Rabbit Industry in the South," issued by the Department of Agriculture, and states that the domestic rabbit industry "can be conducted with a minimum of labor and acreage." Rabbit meat is said to sell at 40 to 60 cents a pound and fur types to bring 20 cents to \$1.50 each before tanning. The United States is said to use 100,000,000 skins a year, of which 98 per cent are imported.

Timken Roller Bearing Expands.

Announcement is made by the Timken Roller Bearing Company, Canton, Ohio, of the incorporation of a new company, known as the Timken Steel and Tube Company, to take over the manufacture and selling of Timken steel and tubing. The headquarters and mills are in Canton, with sales offices in Chicago, Los Angeles, Detroit, and New York. The officers are: H. H. Timken, chairman; M. T. Lothrop, president; J. W. Spray, vice-president; A. J. Sanford, vice-president in charge of sales; J. E. Daily, vice-president in charge of operations, and J. F. Strong, secretary and treasurer.

F. M. Aday.

F. M. Aday, general sales manager of the Jamison Cold Storage Door Company, Hagerstown, Md., died on September 7. Mr. Aday was a director of the American Society of Refrigerating Engineers and for 23 years actively interested in refrigerating work. He joined the Jamison Company about a year ago.

Appoints Industrial Agent.

The Northwest Engineering Company, Chicago, in its policy to appoint agents who will specialize exclusively on the application of Northwest machines to industrial uses, announce that L. R. Beatty, 327 South Twelfth street, Philadelphia, Pa., will cover the industrial field in the Philadelphia district.

Flexible Floors' New Branch.

The Flexible Floors Company, Inc., Richmond, Va., rubber tile, linoleums, Tile-Tex, cork, Mastic, etc., announces the opening of a branch office at Charleston, W. Va., to be in charge of C. B. H. Phillips, who will be available also to handle flooring problems.

\$900,000 Power Plant for Paper Mill Under Way—Contracts Awarded.

Construction of the proposed \$900,000 steam power plant at Holt, Ala., near Tuscaloosa, in connection with the \$6,500,000 paper mill and bag plant for the Gulf States Paper Corporation, was begun August 1, foundations having been completed and structural steel erected. Forms and concrete for the walls are closely following the steel work, while work on the electrical bus structures has begun and excavation for the screen well is under way. The plant is being built on the Black Warrior River.

The design calls for one 7500 kw., 90 per cent p. f. bleeder type steam turbine and three 1000-horsepower boilers, the latter being equipped with unit pulverizers to burn powdered coal and will contain water walls and screens. Induced draft fans will be replaced by a stack 14 feet in diameter 300 feet high. Condensing water will be pumped from a well on the river bank through a 14-inch main against a head of 85 feet, while another main will carry the water from the condenser to a reservoir for process purposes in the paper mill. This will eliminate the need of expensive intake and discharge tunnels. The power plant has been designed and is being erected by the United Engineers and Constructors, Inc., of Philadelphia, Pa. The following major items of material and equipment have been placed:

Apexior—The Dampney Company of America, Boston, Mass.
Arches and unit supported walls—American Arch Company, New York City.

Ash handling equipment, ash hoppers, gate and clinker chambers—Allen-Sherman-Hoff Company, Philadelphia, Pa.

Atrita unit, pulverizers, burners and valves—Riley Stoker Corporation, Worcester, Mass.

Bent tube boilers and cast iron ceiling plates—Combustion Engineering Corporation, New York.

Bleeder heater—Griscom-Russell Company, New York.

Blowers—American Blower Company, Detroit, Mich.

Boiler feed pumps—Ingersoll-Rand Company, New York.

Centrifugal pumps—Dayton-Dowd Company, Quincy, Ill.

Disconnecting switches, bus supports and clamps—Railway and Industrial Engineering Company, Greensburg, Pa.

Floor flanges, tees, brackets and fittings, motors and transformers, turbo-generator, relays and transformers—Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.

Heater and storage tank—Cochrane Corporation, Philadelphia.

Heine boilers (3), of 1000 horsepower—Diamond Power Specialty Corporation, Detroit.

Oil filtering system—S. F. Bowser & Co., Inc., Fort Wayne, Ind.

Relief valves—Atwood & Morrell, Salem, Mass.

Rental pumps—U. G. I. Contracting Company, Philadelphia.

Revolving stationary crane—Link Belt Company, Chicago, Ill.

Steam traps—Brogan & Co., Philadelphia.

Structural steel—Ingalls Iron Works Company, Birmingham, Ala.

Superheaters—The Superheater Company, New York.

Tile lining for burners—Harrison-Walker Refractories Company, Pittsburgh.

New Orleans School to Cost \$600,000.

New Orleans, La.—A tabulation of bids by the Orleans Parish School Board for the construction of the Charles J. Colton school at St. Claude avenue, Mandeville, Spain and North Rampart streets, shows that Caldwell Brothers, local contractors, submitted the low estimate at \$599,518. The building will be three stories, fireproof, of reinforced concrete and brick construction with stone trim, and will contain 42 class rooms, cafeteria, manual training room, household arts science room, kindergarten, swimming pool, gymnasium and auditorium. It will have a tile and composition roof and will be equipped with a steam heating plant. E. A. Christy, New Orleans, is the supervising architect.

\$1,000,000 Railroad Development for Beaumont.

Plans have been announced by G. P. Williams, Beaumont, and Hal Gaylord, Kansas City, Mo., assistants to President C. E. Johnston, Kansas City, of the Kansas City Southern Railway Company, for a \$1,000,000 railroad development on the outskirts of Beaumont, which will involve the construction of a transportation yard of 2000 cars capacity, 17 miles of trackage and the development of a homesite. Mechanical facilities to be installed, it is said, will include an 8-stall brick

roundhouse, power plant, machine shop and equipment, turntable, oil, water and sanding facilities and office and station facilities. It is announced that these improvements have become necessary to facilitate the switching of increasingly heavy trains in the area between Port Arthur and Beaumont. Provision has been made for extending the facilities as conditions warrant.

Bids for University of Mississippi Structures.

Oxford, Miss.—Bids will be opened October 11 by the Mississippi Building Commission, W. C. Trotter, secretary, Jackson, for erecting a girls' dormitory, dining hall and kitchen addition to the present girls' dormitory, and two boys' dormitories, together with plumbing, heating and electric wiring, at the University of Mississippi. Plans may be obtained from the Frank P. Gates Company, architect and engineer, Jackson.

To Study American Business.

Means by which the combined forces of business organizations can be utilized most effectively during the coming year to aid in the solution of the nation's outstanding economic and legislative problems will be discussed at a conference to be held by the Chamber of Commerce of the United States at Hot Springs, Ark., October 5 to 9. The conference will be attended by national councillors, presidents and secretaries of local chambers of commerce and trade associations, members of the National Chamber's board of directors and principal committees.

Among the national business topics to be considered are: Street and Highway Traffic, Trade Relations, National Wholesale Conference, State and Local Taxation and Expenditures, Federal Reserve System, Trade Association Procedure, Fire Waste and Prevention, Reorganization of Government Departments and Commercial Aeronautics. Also, committees will take up such questions as national water power policies, agriculture, foreign commerce, and transportation and communication.

Power Exposition Grows in Popularity.

At the National Exposition of Power and Mechanical Engineering, to be held this year from December 3 to 8 at the Grand Central Palace, New York City, there will be found a great collection of engineering skill and applied knowledge. Visitors to the show in the past eight years have increased from a few hundred in attendance to 100,000 for the week. There will be much new equipment on display this year, revealing the progress in mechanical developments.

The remarkable strides made in the field of power and mechanical engineering far surpass anything visualized a century ago and tremendous natural resources have been developed through engineering practices. Realizing that the only way to keep abreast of such an advance, some seven years ago the first exposition of power and mechanical engineering was held in New York and each year it has increased in size and scope until the Seventh Exposition bids fair to surpass all others.

The importance of such expositions is shown in the fact that of the 25,000 registered visitors over 6000 were officers of corporations or plant owners and sales executives, 5000 were engineers and designers, and 4400 were technical men bent on visualizing the latest achievements that were on display.

The American Society of Mechanical Engineers, the American Society of Refrigeration Engineers, and the American Institute of Chemical Engineers all convene during Exposition week, their membership visiting the Show in the Grand Central Palace.

\$10,000,000 Rayon Plant Announced for Asheville.

American Enka Corporation Acquires 2100-Acre Site—Employ 5000 Operatives Initially and Provide Housing for 20,000 People.

Asheville, N. C.—Negotiations have been consummated here by Dr. A. J. L. Moritz, vice-president and chief engineer of the American Enka Corporation, New York, and Wallace B. Davis, representing Asheville interests, for the location of a \$10,000,000 rayon plant here, on which work is expected to begin at once. The site for the new plant embraces 2100 acres of land off highway No. 10, about two and one-half miles west of Asheville and opposite the Valkyrie Dairy Farm. It lies on both sides of Hominy Creek between the railroad and the Russell Jones road and includes approximately 175 acres of level land. Buildings will be mainly of one story and will occupy nearly 75 acres. Lockwood Greene Engineers, Inc., of New York, will handle engineering details, it is reported, the main building to be L-shaped with arms 1600 and 1100 feet long by 350 feet wide. The plant will operate on a three shift basis, running continuously from Monday morning until Saturday evening, and will employ initially about 5000 operatives, of which one third will be men and the other two thirds women. The number of operatives is expected to be increased later to 6000 or 7000. It is estimated that the coal consumption will run from 30,000 to 60,000 tons annually and that 125,000,000 kilowatt hours of electricity will be purchased annually. The plant will use about 6000 tons of sulphite pulp annually, it is estimated, and about 35,000 tons of chemicals made up largely of magnesium sulphate, sodium hydroxide, sulphuric acid and carbon disulphide.

A water supply of about 5,000,000 gallons daily will be obtained from Hominy Creek, while a connection will also be made to the Asheville water system for domestic and emergency purposes. County officials will improve the road leading from highway No. 10 to the plant site and pave and light within six months the Sand Hill-Russell Jones road from the city line to the south margin of the property, and it is said that city officials will extend water mains to it. Bus lines from the end of the street railway in West Asheville will be extended to the site and telephone service provided. The Southern Railway will build a new station to be called Enka, and will provide necessary shuttle train service to and from Asheville. About two miles of railroad sidings will be installed by the American Enka Corporation and housing will be provided for 20,000 people.

The American Enka Corporation, a subsidiary of the Enka Artificial Silk Corporation of Holland, is capitalized at \$16,000,000. Its directors include Frederick W. Allen, George H. Burr, O. H. Alexander, Franklin D'Olier, Percy A. Rockefeller, Phillip Stockton, Jacques C. Hartogs, F. H. Fentener van Viessingen and H. C. McEldowney. Lee, Higginson and Company, New York, are rendering banking services.

Engineers to Meet in the South.

For the first time in the history of the National Association of Power Engineers, the South next year will be host for its annual convention, which will be held at Chattanooga, Tenn. This decision was reached at the annual convention held recently in Detroit. In selecting the South, it was explained, "the idea is to build up the engineers, bring them all of the latest products to look over and to get data, facts and figures with which to start the campaign for putting on the first Power Show held in the South." The Power Show will be held next August or September.

30-Story Building Announced for St. Louis.

St. Louis, Mo.—Sam Koplar is said to be working out details with his architect, Laurence O. Schopp, of this city, for an apartment building at Maryland avenue and Kingshighway boulevard of 30 stories or more. Construction is also expected to begin within a few weeks on a 15-story apartment building which Mr. Koplar plans to erect on one of two sites he owns on Lindell boulevard, near Euclid avenue.

\$350,000 Y. M. C. A. Building for Knoxville.

Knoxville, Tenn.—Plans will soon be completed for a \$350,000 Y. M. C. A. building, 170 by 100 feet, to be erected at Clinch avenue and Locust street. It will be 4 stories and basement with a main entrance on Clinch avenue and a setback of 12 feet on both streets. A small chapel on the second floor will be a feature. Barber and McMurry, Knoxville, are the architects.

Foreign Trade Session at Nashville.

Foreign trade has been recognized by American chambers of commerce as an essential feature of their activities, and a session exclusively devoted to foreign trade will be held at the fourteenth convention of the National Association of Commercial Organization Secretaries, at Nashville, Tenn., October 21-24. The departmental foreign trade session will be held on October 22, under the chairmanship of O. K. Davis, secretary of the National Foreign Trade Council. Sixty-eight cities have special foreign trade departments working under or in co-operation with their chambers of commerce.

Gulfport Girl Wins Prize.

Among the most interesting of several fine features of the good roads section of "The Mississippi Builder" is an article on Miss Verona Daniel Hardy of Gulfport, Miss., to whom has been awarded a prize of a \$4000 scholarship in a roads essay contest sponsored by Harvey Firestone. Miss Hardy's essay, "The Relation of Improved Highways to Education," is printed in the issue and is a very able paper. An interesting illustration shows Lieutenant-Governor Bidwell C. Adam, S. A. Spivey, secretary of the Gulfport Chamber of Commerce; P. Frank Brown, superintendent of the Gulfport city schools, and other representative citizens of Gulfport offering their congratulations to Miss Hardy.

\$1,000,000 Expenditure for Richmond University Buildings.

Richmond, Va.—In addition to a new chemistry laboratory already completed, seven other buildings are projected for the University of Richmond, Dr. F. W. Boatwright, president, estimated to cost \$1,000,000. Ground has been broken for a chapel made possible by a gift of \$125,000 from Mrs. Henry M. Cannon of this city, and work is expected to start on other structures as soon as funds are turned over to the university. These will include biology and physics laboratories; Maryland Hall, a dormitory for women at Westhampton College, which is a unit of the university; Alumni Hall, a student activities building for Richmond College; building for women, and a memorial library. The two laboratories will cost \$100,000 each, exclusive of equipment, and Maryland Hall about \$75,000. Alumni Hall will cost \$100,000 and serve as a memorial to 21 Richmond College men who died in service during the World War, while alumnae of Westhampton College, the old Woman's College of Richmond and of Richmond Female Institute are co-operating to raise \$125,000 for the woman's building. Charles M. Robinson, Richmond, is the architect.

NOW

Not at the End of the Fiscal Year

Big business, operating on close margins, has found it unsafe to wait until the end of the fiscal year to take inventory, determine profit and loss, and complete the balance sheet.

Big business has proved, both for itself and smaller business, the absolute necessity of *knowing*, exactly, NOW, daily, or at least once a month, the extent of profits and progress.

The current trend of sales and production, used as an indication of what to expect at the end of the fiscal year, is, "generally speaking," "fairly accurate." But "generally speaking" is not accurate enough.

The only safe and constant basis for executive decisions is *timely and exact knowledge*—knowledge best derived from the frequent comparison of operating results with a well-planned budget.

"NOW, not at the end of the fiscal year" means the prompt correction of mistakes, elimination of loss, and *protection of profits*.

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GRAND RAPIDS
KALAMAZOO

NEW ORLEANS
JACKSON
DALLAS
FORT WORTH
HOUSTON
SAN ANTONIO
WACO
SAN FRANCISCO
LOS ANGELES
SEATTLE

Virginia Electric & Power Co. Win Coffin Award.

How an electric street railway company in the South transformed its patrons from a state of hostility to one of friendship, increased earnings and raised wages, was shown when the Charles A. Coffin gold medal was awarded to the Virginia Electric and Power Company during the annual convention of the American Electric Railway Association at Cleveland on September 25. In addition to the medal, a check for \$1000 was given to the treasury of the employees benefit association.

This is the sixth year the Coffin medal and cash award have been presented under the terms of the Charles A. Coffin Foundation, established in 1922 by the General Electric Company as a perpetual memorial to its founder and first president. Awards are made also each year to an electric light and power company, to graduates of technical colleges, and to employees of the General Electric Company. The award to electric railway companies has been competed for by 48 different companies.

On July 1, 1925, the public of Richmond, Norfolk, Portsmouth and Petersburg, the principal cities served by the Virginia Electric and Power Company, was said to be extremely bitter toward that company. Its physical property was deteriorating; renewals of franchises could not be obtained, and there was much criticism and condemnation. Then came a change of attitude and the company started in to build public confidence and respect. It began by modernizing its rolling stock and providing new track facilities. The response from the public was generous.

An intensive plan of employee training was undertaken. Methods of giving better service were adopted, with special attention to safety of employees and public. In 1927 the number of riders was 102,000,000, compared with 98,000,000 in 1926. Operating costs were reduced 1.77 per cent, although mileage was increased 2.06 per cent. Gross earnings were augmented 6.30 per cent. The speed of cars was increased, and economies were introduced.

As public friendliness increased, millions of dollars of stock was sold to customers in various offerings, at low sale cost. The time came, during the last year, when there was no controversy with any community or state body. Newspapers commented editorially in complimentary words, city officials and civic leaders wrote commendatory letters, and co-operation is now the rule.

Gypsum Institute Organized.

The Gypsum Institute announces its formation in the following words:

"For a number of months the gypsum industry has been in an unsatisfactory condition. Although building construction has kept up well in comparison with 1927, the prices of gypsum products have steadily declined in 1928 so that today gypsum products are being offered at or below cost.

"Recognizing the need of co-operation, certain gypsum manufacturers met in New York City on August 2 and 3 and organized the Gypsum Institute. This organization will take over the properties of the Gypsum Industries, Incorporated, which suspended activities on May 1 and will function in much the same manner and with some of the same personnel as the old association. Already a headquarters office and a traffic department have been opened at 110 West 40th Street, New York City."

The following officers have been elected:

President, James Leenhouts, vice-president and general manager of the Grand Rapids Plaster Company, Grand Rapids, Mich.; first vice-president, Eugene Holland, president of the Universal Gypsum and Lime Company, Chicago; second vice-president, L. I. Neale, sales manager of the Atlantic Gypsum Products Co., New York; secretary and treasurer, W. J. Fitzgerald, New York. Other members of the board of directors: F. G. Ebsary, president of the Ebsary Gypsum Company, Scottsville, N. Y., and J. F. Haggerty, president of the National Gypsum Company, Buffalo, N. Y.

Baltimore Company Plans Stock Increase to \$25,000,000—May Organize Fire Insurance Company.

Directors of the United States Fidelity and Guaranty Company, Baltimore, have recommended to stockholders that the authorized capital stock of the company be increased from \$10,000,000 to \$25,000,000 and that the par value of the stock be reduced from \$50 to \$10, the present \$50 stock to be exchanged for new \$10 stock on the basis of one share of the old for five shares of the new. The directors also voted to sell to stockholders \$2,500,000 additional stock, the balance of the present \$10,000,000 authorized, at \$100 per share, or double the par. Proceeds will be apportioned \$2,500,000 to capital and a similar amount to surplus. Stockholders will have the right to subscribe to the new stock in the proportion of one additional share for each three shares now held.

Plans have been considered by the company for the organization of a fire insurance company with a capital stock of \$2,000,000 and paid in surplus of \$4,000,000, but it is understood that nothing will be done at this time toward organizing the new company.

Many New Features Will Be Found at Southern Textile Exposition.

In no field of the industrial arts has more progress been made than in the spinning and weaving of cotton. Machinery and machine tools for making the spinning frames, looms, winders, warpers, calendars and other important factory equipment show equal improvement from year to year. These machines will be seen at the Southern Textile Exposition, which is now preparing for its eighth biennial event from October 15-20 at Greenville, S. C. An arrangement has been made to bring to Textile Hall a fortnight before the show two industrial electric trucks to handle exhibits directly from the elevator to the booths in the five exposition halls. They are new in design and in themselves show how rapidly machinery is taking the place of muscle power.

\$1,000,000 Mississippi Flood Bonds Sold.

Jackson, Miss.—An issue of \$1,000,000 flood rehabilitation bonds has been sold by the State of Mississippi to Lehman Brothers and the Bancitaly Corporation, both of New York City. The bonds bear an interest rate of 4½ per cent and will mature serially from 1933 to 1958. It is said they will not be offered to the public immediately, but will be lumped with an issue of \$5,720,000 Mississippi State Hospital bonds, recently purchased at private sale by the same firms, and put on the market later.

\$600,000 Crisp County Power Plant Bonds Sold.

The Power Commission of Crisp County, J. J. Williams, chairman, Cordele, Ga., has sold to Weil, Roth and Irving Company, Cincinnati, \$600,000 bonds of a \$1,250,000 issue recently voted by Crisp County for constructing a hydroelectric power plant on the Flint River. Fifty-one thousand dollars of this issue was sold more than a year ago, the remaining \$599,000 not to be sold within six months. The plant is now under way.

\$2,000,000 Bond Issue Projected at Jacksonville.

Jacksonville, Fla.—The City Commission has instructed Charles Cook Howell, city bond attorney, to arrange preliminary details for calling an election on a bond issue of \$2,000,000, of which \$1,500,000 would be used for sewers, \$300,000 for paving and \$200,000 for opening and widening main thoroughfares. W. E. Sheddan is the city engineer.

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FINANCIAL NEWS

Bond Issues Proposed

Ala., Birmingham—Public Improvement—City Comm., Eunice Hewes, Clk., receives bids Oct. 16 for \$300,000 4 1/4 to 4 1/2% bonds.

Ark., Little Rock—State of Arkansas, Ralph Koounce, State Treas., receives bids Oct. 18 for \$2,600,000 \$1000 denom. 4 to 4 1/2% State Pension obligations.

Fla., DeLand—Road—Volusia County voted \$36,000 Fourth Dist. road bonds to purchase right of way State Road No. 4, Tomoko River to Daytona Beach. 8-30

Fla., Melbourne—City votes Oct. 16 on \$50,000 for bridge approaches.

Ga., Canton—Airport—City plans \$100,000 bond issue.

Ga., Cochran—City, T. S. Vinson, Clk., receives bids Oct. 2 for \$25,000 4 1/2% bonds: \$18,000, city hall; \$7000, school. 9-13

Ga., Fort Gaines—School—City votes Oct. 3 on \$50,000 bonds.

Ga., Waycross—Hospital—Ware County votes Nov. 6 on \$250,000 bonds. 9-13

Ky., Fort Thomas—Sewer—City receives bids Oct. 1 for \$50,000 \$1000 denom., not to exceed 5% bonds.

Ky., Louisville—School—City, reported, votes Nov. 6 on \$3,000,000 bonds.

Ky., Owensboro—Sewer—City votes Nov. 6 on \$1,200,000 bonds; Miller Holland, City Attorney. 9-13

Ky., Paducah—Road—McCracken County Fiscal Court receives bids Oct. 4 for \$200,000 bonds.

Ky., Sulphur—Sulphur Consolidated School Dist. voted \$26,000 bonds; Henry County Bd. of Education, Mrs. Lucy Smith, Sec., New Castle, plans selling \$31,000 bonds. 9-13

La., Vinton—Sewer—Town plans \$70,000 bond election; E. F. Gayle, Atty.

Md., Annapolis—Anne Arundel County Commrs. plan selling \$50,000 bonds to provide permanent water supply for Eastport.

Miss., Flora—Sewer—City voted \$25,000 bonds.

Miss., Meridian—Street—City, W. H. White, Clk.-Treas., plans selling \$146,260 5% \$1000 denom. bonds.

Miss., Hattiesburg—City voted \$75,000 bonds: \$40,000, fire-fighting equipment; \$15,000, sewers; \$20,000, bridges. 9-6

Miss., Yazoo City—School—Yazoo County Bd. of Supvrs., F. J. Love, Clk., receives bids Oct. 1 for \$12,000 Eden Consolidated School Dist. bonds.

Mo., Chillicothe—Hospital—Livingston County plans voting in Nov. on bonds; F. W. Cornue, Clk., County Commrs.

Mo., Chillicothe—Park, etc.—City votes Oct. 1 on \$40,000 bonds.

Mo., Clayton—Road—St. Louis County, P. G. Deuser, Treas., receives bds Oct. 23 for \$600,000 4 to 4 1/2% \$1000 denom. bonds.

Mo., Poplar Bluff—Water—City votes Dec. 15 on \$225,000 bonds.

N. C., Goldsboro—Roads—Wayne County Commrs. authorized sale of \$30,000 6% bonds.

N. C., Hickory—City Council considering \$350,000 bond issue for paving and public improvements.

N. C., Lexington—Davidson County votes Oct. 16 on \$20,000 Tyro Consolidated School Dist. bonds.

N. C., Winston-Salem—City, W. H. Holcombe, Sec., plans \$1,395,000 bond issue: \$150,000, incinerator; \$160,000, curbs, gutters; \$100,000, roads, streets, highways; \$150,000, water; \$285,000, sewerage system; \$550,000, street paving. 8-16

Ola., Tulsa—School—City voted \$1,750,000 bonds. 8-30

S. C., Greenwood—City, S. B. Rambo, Clk. Engr., considering \$50,000 bond election to

maintain, construct and extend sewerage system, and improving or removing disposal plant.

Tenn., Chattanooga—Municipal Improvement—City, James A. Cash, Commr., plans \$525,000 bond election in Nov.: \$400,000, aviation field, market and probably stadium at Warner Park; \$125,000, 2 incinerators. 8-16

Tenn., Dayton—School—Rhea County voted \$200,000 bonds.

Tenn., Dayton—School—Rhea County, J. G. McKenzie, County Judge, receives Sept. 29 for \$200,000 bonds.

Tenn., Selmer—Road—McNairy County voted \$125,000 bonds. 8-23

Tex., Ballinger—Road, Indebtedness—Runnels County Commrs. Court plans \$300,000 bond election in Road Precinct No. 2: \$48,000, retire outstanding bonds; \$200,000, highway; \$52,000, lateral roads.

Tex., Beeville—County Hospital—Bee County votes Oct. 20 on \$125,000 5% bonds.

Tex., Big Spring—Road—Howard County Commrs. Court considering bond issue. 7-26

Tex., Brady—Road—McCulloch County considering \$800,000 bond election.

Tex., Clarksville—Road—Red River County Road Dist. 16, considering bond issue.

Tex., Clarendon—Road—Donley County Commrs. Court plans \$1,000,000 bond election.

Tex., Donna—Refunding—City votes Oct. 15 on \$195,000 6% bonds.

Tex., Gainesville—Road—Cooke County considering bond election in 40 to 60 days.

Tex., Galveston—Galveston County Commrs. Court, E. B. Holman, County Judge, considering bond issue to improve court of civil appeals and repair courthouse and jail.

Tex., Granger—Water—City votes Oct. 16 on \$60,000 bonds. 8-30

Tex., Hallettsville—City voted \$85,000 bonds: \$50,000, paving; \$35,000, sewer. 8-23

Tex., Jacksonville—City votes Oct. 23 on \$250,000 bonds, for water, sewer extension, paving, city hall.

Tex., Livingston—Road—Polk County Road Dist. No. 1, votes Oct. 6 on \$125,000 5 1/2% bonds.

Tex., Lockhart—Road, Bridge—Caldwell County Commrs. considering \$230,000 bond election.

Tex., Marlin—Road—Falls County considering \$2,000,000 bond issue.

Tex., Palestine—City, O. C. Cutter, Sec., voted \$75,000 bonds: \$15,000, schools; \$60,000, streets. 8-23

Tex., Robert Lee—Road—Coke County votes on \$100,000 bonds; W. H. Bell, Judge.

Tex., Stinnett—Water—City, P. R. Walker, Mayor, voted \$37,000 bonds. 8-16

Tex., Tyler—City, Lee H. Powell, Mgr., considering bond election for sewer system, schools, fire substation, municipal abattoir.

W. Va., Martinsburg—Bd. of Education, Martinsburg School Dist., will call election Oct. 2 on \$125,000, 5% bonds.

Bond Issues Sold

Ark., McGehee—McGehee School Dist., Desha County, R. B. Stone, Pres. of Bd., sold \$20,000 \$1000 denom. 6% convertible to 5% bonds to M. W. Elkins & Co., Little Rock. 103 and accrued interest.

Fla., Titusville—Brevard County Bd. of Public Instruction, L. R. Highfill, Chmn., sold \$60,000 6% \$1000 denom. tax anticipation notes, jointly to Bank of Titusville and Trust Co., and Brevard County Bank and Trust Co. 8-16

Louisiana—State of Louisiana, H. B. Conner, Treas., Huey P. Long, Governor, Baton Rouge, sold \$1,000,000 5% and 4% bonds to Hibernia Bank and Trust Co., and Whitney-

Central Trust and Savings Bank, all New Orleans, par and accrued interest; to pay pensions to war veterans and their widows. 9-13

N. C., Lenoir—Courthouse—Caldwell County Commrs., A. R. Crisp, Clk., sold \$120,000 4 1/4% coupon bonds to Kauffman, Smith & Co., St. Louis, premium \$216. 8-13

Tex., Wheeler—Bd. of Education, Austin, purchased \$409,350 bonds, including Wheeler County \$85,000 road refunding, Hico City \$37,000 sewer, and \$287,350 schools.

West Virginia—State Sinking Fund Comm., Charleston, sold \$916,000 bonds: \$566,000 Town Dist., Raleigh County road, to Braun, Bosworth & Co., Toledo, Ohio, premium \$26,153; \$350,000, Charleston and Loudon Dist., Kanawha County bridge, to Detroit Trust Co., Detroit, Mich., and Braun, Bosworth & Co., premium \$5676.

New Financial Corporations

Ark., Camden—Industrial Loan and Savings Co., capital \$25,000, organized; J. E. Gaughan, Preston T. Hildebrand, G. S. Purifoy.

Fla., Hastings—Farmers and Merchants Bank of Hastings, organized; G. W. Atkinson, E. B. Bowle, G. B. Lamar.

La., Hammond—Hammond State Bank and Trust Co., 100 E. Thomas St., capital \$75,000, reorganized; E. R. chardson, Pres.

Tex., Houston—McElroy Bond and Mortgage Co., capital \$50,000, chartered; W. A. McElroy, Pres., 4407 Greely St.

Tex., Liberty Hill—Farmers' State Bank of Liberty Hill, chartered; M. C. Parrish, Pres., 2304 Guadalupe St., Austin.

Tex., Odessa—Odessa National Bank, capital \$30,000, chartered; T. G. Hendrick, Pres.: Wickliffe Skinner, Cashier.

Tex., Rosebud—State Bank of Rosebud, capital \$50,000, chartered; S. W. Cheeves, Pres., Cameron; P. H. Relchert, Cashier: purchased assets of former bank.

Baltimore Trust Co., Donald Symington, Pres., Baltimore and Light, Baltimore, Md., plans opening, within 30 days, new branch at Monument St. and Collington Ave.

Park Savings Bank, George E. Walker, Pres., Fourteenth and Kenyon Sts., N. W. Washington, D. C., considering increasing capital, \$50,000 to \$100,000.

Mortgage and Securities Co., New Orleans, La., plans increasing capital, \$1,000,000 to \$1,600,000.

Manhattan Savings Bank & Trust Co., Hirsch Morris, Pres., Fidelity Bank & Trust Co., W. E. Stansbury, Pres., and City Savings Bank, Wm. White, Pres., all Memphis, Tenn., merged as Manhattan Savings Bank & Trust Co., with Hirsch Morris, Pres., Elbridge Armistead, Cashier; will remodel City Savings Bank Bldg., Second St. and Madison Ave.

Motor Trucks.—In an elaborate and highly interesting brochure, "African Adventures of an American Truck," the International Harvester Company of America, Chicago, tells "a plain, workaday tale of how a plain, workaday American motor truck braved the terrors and bested the trials of a 6600-mile journey across Equatorial Africa and the dread Sahara Desert, all without a single failure or a single instant's faltering." Fine illustrations add to the interest and finish of the booklet.

We Buy and Sell
MUNICIPAL BONDS AND NOTES
CORPORATE PREFERRED STOCK and BOND ISSUES
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R. S. DICKSON & CO., **Gastonia, N. C.**
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GO into market. Check back the high-quality goods you find selling at "impossible" prices. Look up the profit-statements of the concerns back of those goods. They aren't losing money. Far from it. The Georgia factories are paying a good profit.

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Let us give you the complete facts. This service is at your disposal, without obligation, either through our New York office at 120 Broadway, or direct from the home office of the Georgia Power Company, Atlanta, Georgia.

GEORGIA
POWER COMPANY



• INDUSTRY PROSPERS IN GEORGIA •

Contracts on \$1,000,000 St. Louis Power Plant.

Contracts have been awarded as follows by Anheuser-Busch, Inc., St. Louis, Mo., for constructing a \$1,000,000 power plant in that city:

Air preheaters and dust separators—Pratt-Daniel Corporation, New York City.
Boilers, water walls and super-heaters—Springfield Boiler Company, Springfield, Ill.
Boiler feed pumps—Dean-Hill Pump Company, St. Louis.
Deaerators, heaters—Cochrane Corporation, Philadelphia, Pa.
Mills and burners—Hardinge Company, Inc., York, Pa.
Turbines—Allis-Chalmers Manufacturing Company, Milwaukee, Wis.

The proposed plant will use powdered coal for fuel and will consist of three 1100-horsepower, 450-pound pressure boilers, with super-heaters; two turbines of approximately 5000-kw. capacity to bleed at 140 pounds into an accumulator of 35,000 pounds capacity. The maximum steam capacity will be 260,000 pounds per hour, while the average consumption will be 170,000 pounds per hour.

Government Ownership.

Government ownership is the product of loafing minds and loitering ambitions. It is the indolent offspring of a static mind. As a theory, it lacks imagination, originality, inspiration and romance. As an actuality, it is a stupid, dull, languorous method of carrying on the work of the world. It is the substitution of government deficits for private profits. It is a stubborn barrier to industrial progress. It is the Santa Claus idea of government, heralded by political sleighbell ringers. It has never created anything except jobs. It is destructive of growth of wealth and productive of growth of debt. If reform is needed in our industrial system, it must come from within. Political government is not adapted to industrial government, and industrial government is not suited for political government.

Business is conducted with a higher degree of fairness, equity and justice to those who are in it and with more appreciation of its responsibility to serve the public than any similar governmental enterprise. Industry is running itself better than any government is being run. The effect of state interference is to supplant order with confusion. Industry is two jumps ahead of the requirements of the people, while most government organizations are two jumps behind.—*Henry Swift Ives in the Shop Review of the National Founders' Association.*

Texas Road District to Vote on \$350,000 Bonds.

Yoakum, Tex.—Road District No. 1 in the Yoakum and Sweet Home sections, will vote October 9 on a \$350,000 bond issue for the construction of roads. Plans call for the improvement of all lateral roads and the extension of Highway No. 2 from South Mustang Creek between old and new Sweet Home.

American Plan Open Shop Conference.

Announcement that the thirteenth American Plan Open Shop Conference will be held at Fort Wayne, Ind., November 15, 16 and 17, is made by A. C. Rees, chairman, the meeting to be under the auspices of the Employers Association of Fort Wayne, O. C. Brudi, secretary. Prominent among the topics to be considered will be developments in the theatrical world, the agitation by labor unions for legislation "calculated to destroy property rights and freedom of contractual relations," the coal industrial situation and the political implications in certain industrial movements. A number of outstanding industrial leaders are expected to lead in the discussions.

Erecting \$500,000 Residence at Beaumont, Tex.

Beaumont, Tex.—General contract for erecting a residence here for J. H. Phelan has been awarded to Charles F. Law, a local contractor, at approximately \$300,000. Beautification of the grounds and other features will bring the total cost to about \$500,000. It will be of Colonial architecture, and constructed of brick and Indiana limestone. There will be 20 rooms and 8 baths. A hall with a floor of white and black marble will extend from the front to the rear, while the interior of the structure will be elaborate in detail, a chapel and pipe organ being among the features. A swimming pool, artificial lake, three sunken gardens, walks and driveways will enhance the beauty of the building. Owen Southwell, Atlanta, Ga., is the architect and Homer Fry, Dallas, landscape architect. Work on the swimming pool and artificial lake has already begun.

PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close October 16, 1928.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received until 11 A. M. October 16, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Infirmary Building, including roads, walks and drainage at U. S. Veterans' Hospital, Walla Walla, Washington. This work will include excavating, reinforced concrete construction, hollow tile, brick work, cast stone, marble work, floor and wall tile, linoleum, rubber tile, iron work, steel sash, iron stairs, with slate treads; fire escapes, slate and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumbwaiter, metal weatherstrips, insect screens, painting, glazing, hardware, plumbing, heating, electrical work, electric elevator and outside sewer, water, steam and electric distribution systems. Separate bids will be received for electric elevator. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and

RATE: 35 cents per line per insertion.
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DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

specifications may be obtained upon application to the Construction Division, Room 764 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$20, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. September 8, 1928.

Bids close October 22, 1928.

U. S. Engineer Office, Wilmington, N. C., September 19, 1928. Sealed bids will be received at this office until 12 o'clock noon October 22, 1928, and then publicly opened for furnishing all labor and materials and performing all work for dredging approximately 151,700 cubic yards of sand and mud in Neuse and Trent Rivers, N. C. Further information on application.

Bids close October 15, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 10, 1928.—SEALED BIDS will be opened in this office at 3 P. M. October 15, 1928, for the construction (except mechanical equipment, elevators, dumb-waiter and lift) of an eight-story and basement fireproof extension of approximately 2,700,000 cu. ft. contents to the Government Printing Office, Washington, D. C. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, provided a deposit is made of \$25 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

PROPOSALS

Manufacturers Record

Bids close October 9, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 4, 1928.—SEALED BIDS will be opened in this office at 3 P. M. October 9, 1928, for the construction of an extension to the U. S. Sub Postoffice at Memphis, Tenn. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, provided a deposit is made of \$15 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close October 5, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 6, 1928.—SEALED BIDS will be opened in this office at 3 P. M. October 5, 1928, for extension and remodeling the United States Postoffice at Elizabeth, N. J. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, provided a deposit is made of \$25 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close October 18, 1928.

**\$2,600,000 State Pension
Obligation**

STATE OF ARKANSAS

Little Rock, Ark.

Sealed bids for Two Million Six Hundred Thousand Dollars (\$2,600,000.00) serial coupon obligations of the State of Arkansas will be received by the Board authorized to sell same until 10 A. M. on the 18th of October, 1928, at which time bids will be opened in public at the office of the State Treasurer in the City of Little Rock, Arkansas. Said coupon obligations are the direct obligations of the State of Arkansas, are negotiable, payable to bearer, and may be registered. Said obligations will be dated November 1, 1928, and will mature serially as follows:

\$1,000.00	November 1, 1930
1,000.00	October 1, 1931
1,000.00	October 1, 1932
1,000.00	October 1, 1933
15,000.00	October 1, 1934
70,000.00	October 1, 1935
120,000.00	October 1, 1936
120,000.00	October 1, 1937
125,000.00	October 1, 1938
125,000.00	October 1, 1939
135,000.00	October 1, 1940
145,000.00	October 1, 1941
145,000.00	October 1, 1942
155,000.00	October 1, 1943
155,000.00	October 1, 1944
165,000.00	October 1, 1945
175,000.00	October 1, 1946
175,000.00	October 1, 1947
185,000.00	October 1, 1948
195,000.00	October 1, 1949
195,000.00	October 1, 1950
190,000.00	October 1, 1951

The obligations will be issued in denominations of One Thousand Dollars (\$1,000.00) or multiples thereof, at the request of the purchaser. Bids will be taken on the basis of interest at 4%, 4 1/4% and 4 1/2%, principal and interest payable in lawful money of the United States at the National Park Bank, in the City of New York. Approving opinion of Thompson, Wood & Hoffman, of New York City, and Rose, Hemingway, Cantrell and Loughborough, of Little Rock, Arkansas, will be furnished to the purchasers, and the purchasers will be required to pay the expenses of such opinions, cost of printing the bonds, and other incidentals, amounting to Seventy-five Hundred Dollars (\$7,500.00), and this item must be separately stated in the bid.

The proceeds of this issue are to be used by the State in paying pensions, and the full faith and credit of the State are pledged for the prompt payment of said obligations and the interest thereon. The State reserves the right to reject any or all bids.

For circular giving detailed information, address the Governor, the Secretary of State, or the State Treasurer.

RALPH KONNE.

Treasurer of the State of Arkansas.

Bids close October 24, 1928.

U. S. Engineer Office, 300 Custom House, Baltimore, Md. Sealed proposals will be received here until 1 o'clock P. M., Eastern Standard Time, October 24, 1928, and then opened, for dredging approximately 210,000 cubic yards of material in Baltimore Harbor and Channels, Md. Further information on application.

Bids close October 8, 1928.

Office of Constructing Quartermaster, Fort Bragg, N. C. Sealed proposals in triplicate will be received until 10 A. M. October 8, 1928, and then opened, for the construction and completion of approximately 4650 sq. yds. concrete street pavement, 1650 sq. yds. gravel road, 4500 lin. ft. combination curb and gutter, 1500 sq. yds. concrete sidewalks, 1400 lin. ft. 8-inch and 6-inch T.C. drain tile, together with excavation, grading, drainage, etc., at Fort Bragg, N. C. \$25 certified check, payable to Treasurer of United States, required as deposit for drawings, etc. Further information on request.

Bids close October 16, 1928.

**\$300,000 Public Improvement
Bonds**

Birmingham, Ala.

Sealed proposals will be received by the Commission of the City of Birmingham, Ala., until 12 o'clock noon of Tuesday, the 16th day of October, 1928, at the office of the City Clerk in the City Hall, City of Birmingham, Ala., for the purchase of \$300,000 (Three Hundred Thousand Dollars) Public Improvement Bonds, dated November 1, 1928, one-tenth of such issue to be redeemed each year after November 1, 1928, such redemption to begin with Bond No. 1, said bonds bearing interest either at the rate of 4 per cent, 4 1/4 per cent, 4 1/2 per cent or 4 1/4 per cent per annum, payable semi-annually, the option being given to the bidder to use any of said basic rates; provided, however, that the bidder shall use the lowest of the said basic rates at which he will pay par or more for said bonds. Said bonds shall be in the denomination of \$1000 each, principal and interest payable in gold coin at the Hanover National Bank of New York, N. Y.

The Commission will furnish to the purchaser the opinion of Messrs. Thomson, Wood & Hoffman, Attorneys and Counselors at Law, New York City, approving the legality and validity of said bonds, and a certified copy of all proceedings will be furnished showing the authority to issue said bonds.

Said bonds are secured by the full faith and credit of the City of Birmingham, Ala., and by the full taxing powers of said City of Birmingham, Ala., heretofore now or hereafter conferred upon it by law. Said bonds are also secured by assessments against the property benefited by the improvements to pay for which said bonds are issued, and the funds arising from said assessments are pledged for the payment of the principal and interest of said bonds. Said bonds and the interest thereon are exempt from State, County and Municipal taxation, and after maturity are receivable in payment of all taxes and dues of the City of Birmingham, Alabama.

Each proposal must be accompanied by a certified check, payable to the City of Birmingham, in the sum of 1 per cent (one percentum) of the amount of the bonds bid for as an evidence of good faith and security for the performance of such proposal, and as liquidated damages in the event of failure of the successful bidder to accept and pay for the bonds. All bids must include accrued interest.

No interest will be allowed on certified checks accompanying bids. Said bonds will be delivered to the successful bidder or bidders on the first day of November, 1928, unless a later date should be mutually agreed upon.

No bids will be considered at less than par and accrued interest, the right being reserved to reject any and all bids.

The Banking Department of New York on January 26, 1928, advised the City Comptroller of Birmingham, Ala., that the bonds of Birmingham are legal investments for savings banks in the State of New York.

Approved September 18, 1928.

C. E. ARMSTRONG,
City Comptroller.

Bids close October 22, 1928.

U. S. Engineer Office, Wilmington, N. C., September 19, 1928. Sealed bids will be received at this office until 12 o'clock noon October 22, 1928, and then publicly opened for furnishing all labor and materials and performing all work for constructing and delivering three steel barges. Further information on application.

Bids close October 16, 1928.

\$100,000 Air Port Bonds

Amarillo, Texas

Sealed proposals will be received by the City Commission of the City of Amarillo, Texas, until 7:30 o'clock P. M. on the 16TH DAY OF OCTOBER, 1928, for the purchase of the following described bonds:

\$100,000.00 General Obligation Bonds of the City of Amarillo, Texas, authorized by the property tax-paying voters at an Election held on the 8th day of September, 1928, for the purpose of establishing, maintaining and operating a Municipal Air Port and Landing Field.

The Bonds will be dated as determined by the City Commission and will mature serially, on a tax level basis, in not to exceed Forty (40) years from their date.

Said Bonds will not be sold for less than par and accrued interest, and bids for the purchase of said Bonds will be received based on the issuance of said Bonds to bear interest from date at the rate of 4 1/4 per annum, 4 1/2 per annum, and 4 1/4 per annum, payable semi-annually.

Each bid must be accompanied by a certified check, duly certified by a Bank in Amarillo, Texas, for 3% of the amount of Bid, to be forfeited to the City as liquidated damages in event Bid is accepted and purchaser fails to comply.

The approving opinion of Messrs. Clay, Dillon & Vanderwater, Attorneys of New York City, will be furnished to the successful Bidders without charge.

The City reserves the right to reject any and all Bids.

For financial statement or further information regarding this Bond Sale, write Jewell Davidson, City Secretary.

JEFF D. BARTLETT, City Manager.
Amarillo, Texas, September 11th, 1928.

Bids close October 2, 1928.

Reinforced Concrete Bridges

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building bridges, as follows:

Prince George's County, Cont. P-87—Double span reinforced concrete girder bridge, each span 34-feet 9-inches on proposed Rhode Island Road over Northwest Branch of Anacostia R. ver.

Prince George's County, Cont. P-88—Single span reinforced concrete arch bridge clear span 35-feet 0-inches over Timothys Creek on the Southern Maryland Boulevard, between T. B. and Waldorf.

Charles County, Cont. CH-51—Single span reinforced concrete arch bridge clear span 45-feet 0-inches over Mattawoman Creek on Southern Maryland Boulevard between T. B. and Waldorf. will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 2d day of October, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 21st day of September, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close October 16, 1928.

Street Improvements

Montevallo, Ala.

Sealed bids will be received by the Town of Montevallo, Alabama, at the office of the Mayor until 1 P. M. October 16, 1928, and at that time publicly opened for the construction of certain street improvements under Improvement Ordinance No. 3. The same being in the Town of Montevallo, Alabama. The principal items of work are approximately as follows: 10,300 Cu. Yds. Earth Excavation; 4000 Sq. Yds. Sidewalk; 17,000 Sq. Yds. Concrete Paving; 6600 Lin. Ft. Curb and Gutter; 5190 Lin. Ft. Curb; 1800 Lin. Ft. Storm Sewers. Payable in not less than five (5) per cent cash, remainder in special assessment, non-obligation bonds.

Plans and specifications are on file in the office of the Town Clerk at Montevallo and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and proposal blanks can be secured, on deposit of \$5.00, from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$5.00.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Four Thousand Five Hundred Dollars made payable to the Town of Montevallo, Alabama, must accompany each bid as evidence of good faith and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

J. R. JOHNSON,
Mayor.

ROBERT L. TOTTEN, INC.,
Consulting Engineers,
Birmingham, Ala.

Bids close October 16, 1928.

Snow Fencing and Bridge Substructure

Dover, Del.

Sealed proposals will be received by the State Highway Department, at its office, Dover, Delaware, until 2.00 o'clock P. M., October 16, 1928, and at that place and time publicly opened for contracts involving the following approximate quantities:

CONTRACT P

SNOW FENCING

13,000 Lin. Ft. Removable Snow Fence

900 Steel Posts

CONTRACT 103

SUBSTRUCTURE

NEWPORT BRIDGE

600 Cu. Yds. Dry Excavation

550 Cu. Yds. Wet Excavation

600 Cu. Yds. Class "A" Concrete

Footings

550 Cu. Yds. Class "A" Above Footing

20,000 Lbs. Steel Reinforcement

100 Lin. Ft. 18 in. Corrugated Metal

Pipe

100 Lin. Ft. 24 in. Corrugated Metal

Pipe

100 Lin. Ft. 18 in. R. C. Pipe

100 Lin. Ft. 24 in. R. C. Pipe

Lump Sum—Temporary Bridge

2,400 Lin. Ft. Piles—Temporary Span

24M Ft. BM Temporary Span

400 Cu. Yds. Dredging

3.0 M. Ft. B. M. Fender Timber

Creosoted

1,600 Lin. Ft. Fender Piling Creosoted

7,500 Lin. Ft. Foundation Piling

Lump Sum—Removal of Present

Bridge

Performance of contract shall commence within ten (10) days after execution of the contract and be completed as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the construction of State Highway Contract No."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Complete sets of plans and specifications may be obtained upon receipt of two dollars (\$2.00) for each contract, which amount will not be refunded.

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids close October 16, 1928.

Paving

Laredo, Texas, September 17th, 1928.

Sealed Proposals for the construction of approximately 67,000 Square Yards of Bituminous paving on a six-inch concrete base will be received by the City of Laredo, Texas, until 7:30 P. M., Tuesday, October 16th, 1928, when Bids will be publicly opened and read.

Each Bid must be accompanied by Cash or a Certified Check for \$10,000.00, made payable to the City Treasurer of Laredo, Texas.

The following types of Bituminous surfaces will be considered:

- 2" Hot mixed Limestone Rock Asphalt
- 2" Warrenite-Bitulithic
- 2" Modified Topeka Mix
- 2" Coarse Aggregate Bituminous Concrete

2" Duraco

with an alternate of six-inch Vibrolithic Concrete Pavement.

Plans and Specifications may be seen at the Office of Frank C. Heins, City Engineer, or taken out on Deposit of \$10.00 to be returned upon receipt of the Plans and Specifications in good condition.

The City reserves the right to reject any or all bids.

THE CITY OF LAREDO, TEXAS.
(Signed) ALBERT MARTIN, Mayor.

Attest:

A. R. GARCIA, City Secretary.

Bids close October 1, 1928.

Water Mains and Appurtenances

Towson, Md., Aug. 20, 1928.

Sealed Proposals, addressed to the County Commissioners of Baltimore County and endorsed bids for laying of water mains and appurtenances thereto, in MILFORD, LIBERTY HEIGHTS AVENUE AND HAMILTON AVENUE, will be received at their office in the Courthouse, Towson, Maryland, until 11 A. M., Eastern Standard time, on October 1, next, when they will be publicly opened and read.

APPROXIMATE QUANTITIES OF

CONTRACT 20-W

EXCAVATION AND REFILL
5300 Lin. Ft. Earth excavation and refill for 6-inch pipe.
2650 Lin. Ft. Earth excavation and refill for 8-inch pipe.
8500 Lin. Ft. Earth excavation and refill for 12-inch pipe.
600 Cu. Yds. Class "A" Rock excavation and earth refill.
500 Cu. Yds. Class "B" Rock excavation and earth refill.
400 Cu. Yds. Class "C" Rock excavation and earth refill.
10 Cu. Yds. Miscellaneous and Test pit earth excavation and refill.

Miscellaneous items, including cinder, cold patch and concrete repaving.

APPROXIMATE QUANTITIES OF

CONTRACT 21-W

PIPE LAYING
5300 Lin. Ft. laying 6-inch pipe, valves and fittings, lead joints.
Alternate bid, leadite joints.
2700 Lin. Ft. laying 8-inch pipe, valves and fittings, lead joints.
Alternate bid, leadite joints.
9800 Lin. Ft. laying 12-inch pipe, valves and fittings, lead joints.
Alternate bid, leadite joints.

12 Placing Fire Hydrants.

Miscellaneous items.

Each bid excavating and laying must be separately totaled and each accompanied by a certified check for Two Thousand (\$2000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the Specifications, Plans and Drawings will be furnished prospective bidder on receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District, within ten (10) days after opening of the bids and award of the contract. No specifications or drawings will be issued after Thursday, September 27, 1928. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Maryland, after September 13, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the

bid), financial standing and reputation for having done successful work of the kind specified without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or parts of bids, or to accept any bid or parts of bids, or to separate bids for the excavation and refill from laying of the pipe and setting hydrants or to waive technicalities, as they may deem best for the interest of the county.

By order of the Board.

JOHN R. HAUT,

Chief Clerk.

A. E. WALDEN,

Chief Engineer.

Bids close October 5, 1928.

Additions to School

Birmingham, Ala.

Sealed proposals will be received by the Board of Education, Birmingham, Alabama, on or before 2 o'clock P. M. Friday, October 5, 1928, for the erection and completion of Additions, to the Graymont Elementary School to be erected in Birmingham, Ala.

The work will be divided into the following base bids:

1. General Work.
2. Plumbing, Sewering and Gas Fitting.
3. Heating and Ventilation.
4. Electric Work.

The plans and specifications of this building may be seen at the office of the Board of Education, Birmingham, Ala., and the offices of Warren, Knight & Davis, Architects, Empire Building, Birmingham, Alabama, and Wm. B. Ittner, Consulting Architect, St. Louis, Mo.

Plans and specifications may be procured from the office of the Architects by forwarding certified deposit checks as follows: General Plans and Specifications, \$5 per set; Plumbing, Heating and Wiring, \$2 per set. Deposits to be refunded under provisions mentioned in "Instructions to Bidders."

The Board reserves the right to reject any or all bids.

By order of the Board of Education of Birmingham, Alabama.

By D. E. MCKINLEY,
Business Manager.

Bids close October 11, 1928.

Notice to Building Contractors

Jackson, Miss.

Notice is hereby given that The Building Commission will receive sealed bids at the office of W. C. Trotter, Secretary, in the New Capitol Building, Jackson, Mississippi, until 2:00 o'clock P. M., October 11th, 1928, at which time and place bids will be publicly opened and read, for the construction of the following buildings for the University of Mississippi, at Oxford, Mississippi, together with all Plumbing, Heating and Electric Wiring for the first four named, to-wit:

Girls' Dormitory.

Dining Hall and Kitchen Addition to

Girls' Old Dormitory.

Boys' Dormitory No. 1.

Boys' Dormitory No. 2.

All according to plans and specifications as prepared by Frank P. Gates Company, Architects and Engineers, 507 Edwards Hotel Building, Jackson, Mississippi, and now on file in the office of W. C. Trotter, Secretary. Plans and specifications may be inspected at the office of the Secretary, or at the office of the Architect.

Complete plans and specifications will be furnished by the Architect upon a deposit of \$50.00. When each set of plans and specifications is returned in good order, not later than one week after contract is awarded, the deposit, less \$15.00 will be refunded. General Building Contractors submitting bid will be refunded the full amount of deposit on one set of plans and specifications. Bids on the Building, Plumbing, Heating and Electric Wiring shall be submitted only by Contractors engaged in these respective branches of work.

Bids shall be made on "Proposal Forms" furnished by the Architect. Any bid not so made shall be considered as informal and may be rejected.

Each bid shall be accompanied by a certified check, on a good and solvent bank in the State of Mississippi, made payable, without recourse, to The Building Commission, in the sum of not less than five (5%) per cent of the amount of bid, as a guarantee that if awarded the contract the Bidder will enter into contract and furnish a Surety Bond in the sum of one hundred per cent (100%) of the contract.

The right is reserved to reject any or all bids and to waive any formalities.

THE BUILDING COMMISSION.

By W. C. TROTTER, Secretary.

PROPOSALS

Manufacturers Record

Bids close October 11, 1928.

Notice to Contractors

Jackson, Miss.

Sealed Proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until Thursday, October 11, 1928, at 10:00 A. M. at the State Capitol Building, Jackson, Mississippi, for the Construction, Plumbing, Heating and Wiring on the Administration Building, The Dining Hall and The Girls' Dormitory; all at the Delta State Teachers' College, Cleveland, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, C. H. Lindsey, 11th Floor Lamar Life Building, Jackson, Mississippi, upon receipt of Fifty (\$50.00) Dollars for Building Set, and Thirty (\$30.00) Dollars each for Plumbing, Heating and Wiring to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Building, Jackson, Mississippi.

Bids must be accompanied by Certified Check or Cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualifications to the Building Commission.

The right to reject any or all bids is reserved.

THE BUILDING COMMISSION,
By W. C. Trotter, Secretary.
C. H. Lindsey,
Architect,
Jackson, Miss.

Bids close October 11, 1928.

Notice to Contractors

Jackson, Miss.

Sealed proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until October 11th, 1928, at 2:00 P. M. at the State Capitol Building, Jackson, Mississippi, for the Alteration and Additions to the Hospital Building, Plumbing, Heating and Wiring and the construction of a Garage to the Matty Hersee Charity Hospital, Meridian, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, R. C. Springer, Rosenbaum Building, Meridian, Mississippi, upon receipt of Fifty (\$50.00) Dollars for Building Set, and Thirty (\$30.00) Dollars each for Plumbing, Heating and Wiring to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Bldg., Jackson, Mississippi.

Bids must be accompanied by Certified Check or Cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualification to The Building Commission.

The right to reject any or all bids is reserved.

THE BUILDING COMMISSION,
By W. C. Trotter, Secretary.
R. C. Springer,
Architect,
Meridian, Mississippi.

Bids close October 11, 1928.

Notice to Contractors

Jackson, Miss.

Sealed Proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until Thursday, October 11, 1928, at 10:00 A. M. at the State Capitol Building, Jackson, Mississippi, for the Construction of Reservoir, Pump House, Deep Well and Pipe Connections for the Agricultural and Mechanical College, Starkville, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, C. H. Lindsey, 11th Floor Lamar Life Building, Jackson, Mississippi, upon receipt of Twenty (\$20.00) Dollars to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Building, Jackson, Mississippi.

Bids must be accompanied by Certified Check or Cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualifications to the Building Commission.

The right to reject any or all bids is reserved.

THE BUILDING COMMISSION.
By W. C. Trotter, Secretary.

C. H. Lindsey,
Architect,
Jackson, Miss.

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

WATER POWER SITE

Best in South; 20,000 HP. for manufacture of cotton, cement, metals. Write OWNER,
Box 33, West Cummington, Mass.

WATER-POWER SITE
at High Falls, on Little River, Oconee Co., South Carolina, 12 miles from Seneca Station, Southern Railway. Two falls, 5 and 29½ feet each; natural rock dam. Estimated full development 900 horsepower; average 600; 230 acres in tract. No in-cumbrance. GEO. M. COFFIN, Putnam, Conn.

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MANGANESE—NEAR RAILROAD AND RIVER, IN ROCKINGHAM CO., VA.; 260 ACRES HIGH-GRADE ORE. HAS YIELDED 6000 TONS THE ACRE. ADJACENT LAND ALSO YIELDS ORE. FOR DESCRIPTION AND TERMS WRITE A. L. HARNSBERGER, MT. AIRY, MD.

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INVESTIGATE THIS OPPORTUNITY

10,000 acres of coal land in feet in Tenn., near the Kentucky line. Three good seams of coal, 40 to 48 inches thick; the celebrated Jellico coal. One mile of the L. & N. R. R. and two and half miles of the Southern. All in one block. For complete report and price address

S. T. RANDLE,
142 N. Upper St., Lexington, Ky.

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FOR SALE—100 million feet hardwood timber for two hundred and fifty thousand dollars. Address No. 6962, care Manufacturers Record, Baltimore, Md.

VIRGIN LONG-LEAF PINE TIMBER; 15,445,000 feet in one block forty miles northwest of Port of Palm Beach near Seaboard Air Line R. R. Five years time to remove timber. Price \$75,000; one-third cash, balance in one and two years, with 6% interest. Address HERMAN J. KUPPERS, Box 1385, Vero Beach, Florida.

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MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

TIMBER AND TIMBER LANDS

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For Sale—One tract 10 million feet Virgin Short Leaf Yellow Pine, 2½ to 4 miles to railroad, on good roads. One tract 1½ million feet Short Leaf Yellow Pine, 1½ miles to railroad, on good roads. Good logging conditions; no skidders required. Ideal small Sawmill propositions. Address

BOX NO. 1184,
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FOR SALE—In Moosehead Lake, Maine, 2300-acre island, 35-room hotel, 5 cottages, all furnished; 300 acres farming land, stock, tools; 2000 acres timber est. 4,000,000 feet. G. L. Huntington Co., Guilford, Maine.

DEER, BEAR, TURKEYS in great abundance. 8000 acres, location N. C., between Lake and Highway, 12,000,000 feet Pine, \$125,000. One hour drive to goose and duck waters. Also 4500 acres on Bay, 7,000,000 ft. timber, \$65,000. W. T. Bailey, Suffolk, Va.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

LAKE COUNTY—100 acres bordering lake; 35 acres in bearing grove; 2196 trees; in perfect condition; crop included; choice location. Special price \$23,000.

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FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

450-ACRE FARM, suitable for dairying, poultry, grain, cotton. Six houses, good barn, partially fenced. Five miles from Mocksville, Davie County (in the heart of North Carolina's best diversified farming section). Write Box T, Mocksville, N. C.

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FOR SALE—225 acres, best farm in Spartanburg County; electric power available; four top-soiled roads, near Woodruff, S. C.; four houses, outbuildings, good water; \$4000 Federal Loan can be assumed; \$10,000. G. W. McGEE, Spartanburg, S. C.

TENNESSEE

1600 ACRES—Cumberland Plateau land in Tennessee, in a solid body; 5 good houses, barns, etc.; several small farms in cultivation, 2 to 5 miles from trunk-line railroad; public highways through the tract. Fine for stock, fruit and vegetables; \$10 per acre. KEITH WEBB & SON, 217 First National Bank Building, Chattanooga, Tenn.

TEXAS

1285 ACRES on highway near Cleveland, suitable for ranch and farm. 627-acre ranch on highway near Cleveland; 3 pastures; hog wire fence; 7-rm. house. Several hundred acres suitable for strawberry and truck growing. J. A. Hunt, Cleveland, Tex.

FOR SALE—12,500 acres irrigated lands in Texas, 10,000 acres has been under cultivation; over \$240,000 improvements. R. R. through the property, townsite 100 acres platted, hotel, other buildings; 11 mi. graded roads. Fine mansion on property. Ready to resell at once; priced at \$425,000. Address No. 6964, care Manufacturers Record.

BUSINESS OPPORTUNITIES

FOR SALE—Suitable factory site and machinery for Planing mill, Box factory or Furniture factory. One twenty thousand capacity saw mill and power complete at attractive price. For full information write G. C. MAY, 4501 Asher Ave., Little Rock, Ark.

GENTLEMAN, 42, trained engineer, mechanical, electrical and cane-sugar lines, twenty years' business and engineering experience in factory production, purchasing, sales and management, including export and foreign work, recently returned from South America, would like to hear from manufacturer or other business needing building up or reorganization. Specialist in reducing losses. In position to take on entire management. Salary no object. Remuneration on basis of results produced. Might consider moderate investment if satisfactory after sufficient investigation. Address No. 6959, care Manufacturers Record.

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Experienced resort hotel manager, operating exclusive hotel and club, catering to very high-class clientele, desires management of large winter resort or all-year hotel property that will fit in with present summer operations. Twenty years' experience in connection with some of the finest houses in America. Understand workings of every department, building, furnishing and decorating hotels, and can build a high-class following for the right place.

CAPTAIN A. S. STANFORD, Prop'r, Monmouth Beach Hotel, Monmouth Beach, New Jersey. After October 5 address 310 West 97th Street, New York, care Mackenzie.

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VALUABLE WAREHOUSE PROPERTY FOR SALE OR LEASE.

Location opposite Old Bay Line dock, intersection Kelly, Mathews and Water Streets; four stories, fronts three streets, 35,000 square feet floor space; two elevators, three garages and gas station, railroad sidings through and at side of building, unsurpassed handling facilities. Most suitable for storage, jobbing or distributing. Can be easily divided into two or three stores, all with railroad facilities; lowest insurance rate; two blocks from Main and Granby Streets. Immediate possession; liberal long-time purchase terms or reduced rental long lease. Would consider exchange smaller property near heart of city with railroad facilities. For full particulars apply to S. W. PANNILL, Realtor, 1107-08 National Bank of Commerce Building, Norfolk, Va.

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MISSISSIPPI GULF COAST. 200x400 feet; full riparian rights. Situated in midst of Edgewater Development Company's holdings about 700 feet west of Two Million Dollar Edgewater Gulf Hotel. Can be bought outright or leased for ninety-nine years. Terms very reasonable. W. E. Stewart, M. D., 402 Tribune Bldg., Terre Haute, Ind.

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FACTORY SITES and acreage in Piedmont Section. Mill locations. HUGHES T. REYNOLDS, 304 First National Bank Building, Rome, Georgia.

FOR SALE—Well located place, about 600 acres, land level, artesian well center of place, near Selma, Ala.; rail and river transportation; excellent location for cotton mill or manufacturing plant. Full information in answer to inquiries. C. E. HAILS, Florence Hotel, Birmingham, Ala.

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AGENCIES WANTED

WANTED—State or District representation for some well known, popular line selling only to retailers or wholesalers by unmarried man 38 of age. Twenty years business experience, 14 for self. College graduate. Many fraternal connections. Gilt edge references. Commission or salary. Have own car. Prefer line where could employ sub-agents. State your proposition in detail.

D. H. LLOYD,
Selma, Alabama.

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BUILDING CONST. SUPT., experienced in all classes building and bridge construction; handle any size job; can give best of references. Available now. No. 6965, care Manufacturers Record, Baltimore, Md.

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College graduate, experienced in industrial development work with large public utility, and with a number of years general business experience would like make connection with Chamber of Commerce as Industrial Bureau Manager. Address No. 6966, care of Manufacturers Record.

VALUABLE EXPERIENCE AVAILABLE. A man who has had nearly twenty years' experience teaching Cottonseed Oil Refining and Soapmaking in ten different countries would like to get a position as Refiner or Soapmaker or both. Satisfactory references. No secrets from employer. Member American Chemical Society. Address W. ATTOM, 3391 Plquette Avenue, Detroit, Mich., U. S. A.

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SALESMAN WANTED—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. American Security Credit Company, General Offices, St. Louis, Mo.

IF YOU ARE OPEN to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caliber indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details. R. W. BIXBY, INC., 103 Downtown Bldg., Buffalo, New York.

ELECTRICAL or mechanical engineer with at least five years industrial plant experience. Must be graduate of recognized technical school. Age 30-36 years. Salary about \$300.00 per month. Give full information in first letter. No application considered unless all above requirements are fulfilled. Address No. 6963, care Manufacturers Record, Baltimore, Md.

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PLATE WORKING MACHINERY—a complete line. General and Special Machinery. Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs. Brass, Bronze and Aluminum to 10,000 lbs. COVINGTON MACHINE COMPANY, INC., Engineers Founders Machinists Covington, Va.

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